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THE

# CALENDAR

OF THE

# University of Toronto

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## FACULTY OF MEDICINE

## 1921-1922

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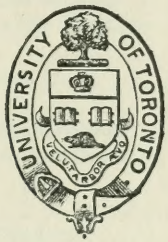
UNIVERSITY OF TORONTO PRESS

THE

# CALENDAR

OF THE

# University of Toronto




## FACULTY OF MEDICINE

## 1921-1922

UNIVERSITY OF TORONTO PRESS

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## 1921 CALENDAR 1921

| JANUARY | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | 2 | 9 | 16 | 23 | 30 | |
| Mon. | 3 | 10 | 17 | 24 | 31 | |
| Tues. | 4 | 11 | 18 | 25 | | |
| Wed. | 5 | 12 | 19 | 26 | | |
| Thur. | 6 | 13 | 20 | 27 | | |
| Fri. | 7 | 14 | 21 | 28 | | |
| Sat. | 1 | 8 | 15 | 22 | 29 | |

| FEBRUARY | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | | 5 | 12 | 19 | 26 | |
| Mon. | | 6 | 13 | 20 | 27 | |
| Tues. | 1 | 8 | 15 | 22 | | |
| Wed. | 2 | 9 | 16 | 23 | | |
| Thur. | 3 | 10 | 17 | 24 | | |
| Fri. | 4 | 11 | 18 | 25 | | |
| Sat. | 5 | 12 | 19 | 26 | | |

| MARCH | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | | 6 | 13 | 20 | 27 | |
| Mon. | | 7 | 14 | 21 | 28 | |
| Tues. | 1 | 8 | 15 | 22 | 29 | |
| Wed. | 2 | 9 | 16 | 23 | 30 | |
| Thur. | 3 | 10 | 17 | 24 | 31 | |
| Fri. | 4 | 11 | 18 | 25 | | |
| Sat. | 5 | 12 | 19 | 26 | | |

| APRIL | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | 3 | 10 | 17 | 24 | | |
| Mon. | 4 | 11 | 18 | 25 | | |
| Tues. | 5 | 12 | 19 | 26 | | |
| Wed. | 6 | 13 | 20 | 27 | | |
| Thur. | 7 | 14 | 21 | 28 | | |
| Fri. | 1 | 8 | 15 | 22 | 29 | |
| Sat. | 2 | 9 | 16 | 23 | 30 | |

| MAY | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | 1 | 8 | 15 | 22 | 29 | |
| Mon. | 2 | 9 | 16 | 23 | 30 | |
| Tues. | 3 | 10 | 17 | 24 | 31 | |
| Wed. | 4 | 11 | 18 | 25 | | |
| Thur. | 5 | 12 | 19 | 26 | | |
| Fri. | 6 | 13 | 20 | 27 | | |
| Sat. | 7 | 14 | 21 | 28 | | |

| JUNE | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | 2 | 9 | 16 | 23 | 30 | |
| Mon. | 3 | 10 | 17 | 24 | | |
| Tues. | 4 | 11 | 18 | 25 | | |
| Wed. | 5 | 12 | 19 | 26 | | |
| Thur. | 6 | 13 | 20 | 27 | | |
| Fri. | 7 | 14 | 21 | 28 | | |
| Sat. | 1 | 8 | 15 | 22 | 29 | |

| JULY | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | 3 | 10 | 17 | 24 | 31 | |
| Mon. | 4 | 11 | 18 | 25 | | |
| Tues. | 5 | 12 | 19 | 26 | | |
| Wed. | 6 | 13 | 20 | 27 | | |
| Thur. | 7 | 14 | 21 | 28 | | |
| Fri. | 1 | 8 | 15 | 22 | 29 | |
| Sat. | 2 | 9 | 16 | 23 | 30 | |

| AUGUST | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | | 7 | 14 | 21 | 28 | |
| Mon. | 1 | 8 | 15 | 22 | 29 | |
| Tues. | 2 | 9 | 16 | 23 | 30 | |
| Wed. | 3 | 10 | 17 | 24 | 31 | |
| Thur. | 4 | 11 | 18 | 25 | | |
| Fri. | 5 | 12 | 19 | 26 | | |
| Sat. | 6 | 13 | 20 | 27 | | |

| SEPTEMBER | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | | 4 | 11 | 18 | 25 | |
| Mon. | | 5 | 12 | 19 | 26 | |
| Tues. | | 6 | 13 | 20 | 27 | |
| Wed. | | 7 | 14 | 21 | 28 | |
| Thur. | 1 | 8 | 15 | 22 | 29 | |
| Fri. | 2 | 9 | 16 | 23 | 30 | |
| Sat. | 3 | 10 | 17 | 24 | | |

| OCTOBER | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | 2 | 9 | 16 | 23 | 30 | |
| Mon. | 3 | 10 | 17 | 24 | 31 | |
| Tues. | 4 | 11 | 18 | 25 | | |
| Wed. | 5 | 12 | 19 | 26 | | |
| Thur. | 6 | 13 | 20 | 27 | | |
| Fri. | 7 | 14 | 21 | 28 | | |
| Sat. | 1 | 8 | 15 | 22 | 29 | |

| NOVEMBER | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | | 6 | 13 | 20 | 27 | |
| Mon. | | 7 | 14 | 21 | 28 | |
| Tues. | 1 | 8 | 15 | 22 | 29 | |
| Wed. | 2 | 9 | 16 | 23 | 30 | |
| Thur. | 3 | 10 | 17 | 24 | | |
| Fri. | 4 | 11 | 18 | 25 | | |
| Sat. | 5 | 12 | 19 | 26 | | |

| DECEMBER | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | | 4 | 11 | 18 | 25 | |
| Mon. | | 5 | 12 | 19 | 26 | |
| Tues. | | 6 | 13 | 20 | 27 | |
| Wed. | | 7 | 14 | 21 | 28 | |
| Thur. | 1 | 8 | 15 | 22 | 29 | |
| Fri. | 2 | 9 | 16 | 23 | 30 | |
| Sat. | 3 | 10 | 17 | 24 | 31 | |

## 1922 CALENDAR 1922

| JANUARY | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | 1 | 8 | 15 | 22 | 29 | |
| Mon. | 2 | 9 | 16 | 23 | 30 | |
| Tues. | 3 | 10 | 17 | 24 | 31 | |
| Wed. | 4 | 11 | 18 | 25 | | |
| Thur. | 5 | 12 | 19 | 26 | | |
| Fri. | 6 | 13 | 20 | 27 | | |
| Sat. | 7 | 14 | 21 | 28 | | |

| FEBRUARY | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | | 5 | 12 | 19 | 26 | |
| Mon. | | 6 | 13 | 20 | 27 | |
| Tues. | | 7 | 14 | 21 | 28 | |
| Wed. | 1 | 8 | 15 | 22 | | |
| Thur. | 2 | 9 | 16 | 23 | | |
| Fri. | 3 | 10 | 17 | 24 | | |
| Sat. | 4 | 11 | 18 | 25 | | |

| MARCH | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | | 5 | 12 | 19 | 26 | |
| Mon. | | 6 | 13 | 20 | 27 | |
| Tues. | | 7 | 14 | 21 | 28 | |
| Wed. | 1 | 8 | 15 | 22 | 29 | |
| Thur. | 2 | 9 | 16 | 23 | 30 | |
| Fri. | 3 | 10 | 17 | 24 | 31 | |
| Sat. | 4 | 11 | 18 | 25 | | |

| APRIL | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | 2 | 9 | 16 | 23 | 30 | |
| Mon. | 3 | 10 | 17 | 24 | | |
| Tues. | 4 | 11 | 18 | 25 | | |
| Wed. | 5 | 12 | 19 | 26 | | |
| Thur. | 6 | 13 | 20 | 27 | | |
| Fri. | 7 | 14 | 21 | 28 | | |
| Sat. | 1 | 8 | 15 | 22 | 29 | |

| MAY | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | | 7 | 14 | 21 | 28 | |
| Mon. | 1 | 8 | 15 | 22 | 29 | |
| Tues. | 2 | 9 | 16 | 23 | 30 | |
| Wed. | 3 | 10 | 17 | 24 | 31 | |
| Thur. | 4 | 11 | 18 | 25 | | |
| Fri. | 5 | 12 | 19 | 26 | | |
| Sat. | 6 | 13 | 20 | 27 | | |

| JUNE | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | | 4 | 11 | 18 | 25 | |
| Mon. | | 5 | 12 | 19 | 26 | |
| Tues. | | 6 | 13 | 20 | 27 | |
| Wed. | | 7 | 14 | 21 | 28 | |
| Thur. | 1 | 8 | 15 | 22 | 29 | |
| Fri. | 2 | 9 | 16 | 23 | 30 | |
| Sat. | 3 | 10 | 17 | 24 | | |

| JULY | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | 2 | 9 | 16 | 23 | 30 | |
| Mon. | 3 | 10 | 17 | 24 | 31 | |
| Tues. | 4 | 11 | 18 | 25 | | |
| Wed. | 5 | 12 | 19 | 26 | | |
| Thur. | 6 | 13 | 20 | 27 | | |
| Fri. | 7 | 14 | 21 | 28 | | |
| Sat. | 1 | 8 | 15 | 22 | 29 | |

| AUGUST | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | | 6 | 13 | 20 | 27 | |
| Mon. | | 7 | 14 | 21 | 28 | |
| Tues. | 1 | 8 | 15 | 22 | 29 | |
| Wed. | 2 | 9 | 16 | 23 | 30 | |
| Thur. | 3 | 10 | 17 | 24 | 31 | |
| Fri. | 4 | 11 | 18 | 25 | | |
| Sat. | 5 | 12 | 19 | 26 | | |

| SEPTEMBER | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | | 3 | 10 | 17 | 24 | |
| Mon. | | 4 | 11 | 18 | 25 | |
| Tues. | | 5 | 12 | 19 | 26 | |
| Wed. | | 6 | 13 | 20 | 27 | |
| Thur. | | 7 | 14 | 21 | 28 | |
| Fri. | 1 | 8 | 15 | 22 | 29 | |
| Sat. | 2 | 9 | 16 | 23 | 30 | |

| OCTOBER | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | 1 | 8 | 15 | 22 | 29 | |
| Mon. | 2 | 9 | 16 | 23 | 30 | |
| Tues. | 3 | 10 | 17 | 24 | 31 | |
| Wed. | 4 | 11 | 18 | 25 | | |
| Thur. | 5 | 12 | 19 | 26 | | |
| Fri. | 6 | 13 | 20 | 27 | | |
| Sat. | 7 | 14 | 21 | 28 | | |

| NOVEMBER | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | | 5 | 12 | 19 | 26 | |
| Mon | | 6 | 13 | 20 | 27 | |
| Tues. | | 7 | 14 | 21 | 28 | |
| Wed. | 1 | 8 | 15 | 22 | 29 | |
| Thur. | 2 | 9 | 16 | 23 | 30 | |
| Fri. | 3 | 10 | 17 | 24 | | |
| Sat. | 4 | 11 | 18 | 25 | | |

| DECEMBER | | | | | | |
|---|---|---|---|---|---|---|
| Sun. | 3 | 10 | 17 | 24 | 31 | |
| Mon. | 4 | 11 | 18 | 25 | | |
| Tues. | 5 | 12 | 19 | 26 | | |
| Wed. | 6 | 13 | 20 | 27 | | |
| Thur. | 7 | 14 | 21 | 28 | | |
| Fri. | 1 | 8 | 15 | 22 | 29 | |
| Sat. | 2 | 9 | 16 | 23 | 30 | |

## CALENDAR 1921-1922.

1921—Sept. 1 Thursday.....Last day for receiving applications for the September Examinations in Medicine.
Sept. 6 Tuesday.....Supplemental Examinations in Medicine begin.
Sept. 15 Thursday.....Last day for receiving applications for admission to the Faculty of Medicine for the session 1921-1922.
Sept. 16 Friday.....Meeting of the Council of the Faculty of Medicine.
Sept. 27 Tuesday.....Academic Year begins at 9 a.m.
Registration in Medicine by the Secretary of the Faculty of Medicine.
Sept. 27 Tuesday.....Enrolment in classes by the various Professors.
Sept. 27 Tuesday.....The Opening Address by the President to the Students of all the Faculties at 3 p.m. in Convocation Hall.
Oct. 7 Friday.....Meeting of the Council of the Faculty of Medicine.
Oct. 8 Saturday.....Stated meeting of the Caput to deal with requests as to social functions.
Oct. 14 Friday.....Meeting of Senate.
Nov. 11 Friday.....Meeting of Senate.
Dec. 2 Friday.....Meeting of the Council of the Faculty of Medicine.
Dec. 9 Friday.....Meeting of Senate.
Dec. 16 Friday.....Last day of Lectures. Term ends at 12 noon.
Dec. 26 Monday.....University Buildings closed.

1922—Jan. 2 Monday.....University Buildings closed.
Jan. 3 Tuesday.....Easter Term begins.
Jan. 4 Wednesday....Assemblage of the Students of all the Faculties in Convocation Hall at 12.10 p.m.
Jan. 13 Friday.....Meeting of Senate.
Feb. 3 Friday.....Meeting of the Council of the Faculty of Medicine.
Feb. 10 Friday.....Meeting of Senate.
Mar. 1 Wednesday....Ash Wednesday.
Mar. 10 Friday.....Meeting of Senate.

1922—Mar. 15 Wednesday....Last day for receiving applications for Annual examinations in Medicine,
April 7 Friday.....Meeting of the Council of the Faculty of Medicine.
April 14 Friday.....University Buildings closed.
April 21 Friday.....Meeting of Senate.
May 8 Monday.....Annual Examinations in Medicine begin.
May 12 Friday.....Meeting of Senate.
May 24 Wednesday....University Buildings closed.
May 31 Wednesday....Medical Session ends.
June 7 Wednesday...Meeting of Senate.
June 9 Friday.....University Commencement.
July 1 Saturday.....University Buildings closed.

## ADMINISTRATIVE OFFICERS.

### THE UNIVERSITY.

*President*.SIR ROBERT ALEXANDER FALCONER, K.C.M.G., D.LITT., LL.D.
*Registrar*.....JAMES BREBNER, B.A., LL.D.
*Bursar*.....FERDINAND ALBERT MOURÉ, ESQ.
*Librarian*.....HUGH HORNBY LANGTON, M.A.

*Directors of the Royal Ontario Museum:*

PROF. C. T. CURRELLY, M.A.
Director of Archaeological Section.
PROF. A. P. COLEMAN, M.A., PH.D., Breslau, F.R.S.
Director of Geology.
PROF. W. A. PARKS, PH.D.
Director of Palaeontology.
PROF. T. L. WALKER, M.A., Queen's, PH.D., Leipzig.
Director of Mineralogy.
PROF. B. A. BENSLEY, B.A., PH.D.
Director of Zoology.

*Warden of Hart House*.....WALTER FLETCHER BOWLES, B.A.
*Physical Director*.....JAMES WARREN BARTON, M.D.
*Superintendent of Buildings and Grounds*, ARTHUR D'ORR LE PAN, B.A.SC.
*Manager of the University of Toronto Press*...RICHARD J. HAMILTON, B.A.

NOTE—Communications relating to standing in all Faculties and Departments and to curricula, instruction and examinations in Law, Dentistry, Pharmacy, Agriculture, Pedagogy, Gymnastics and Drill, Commerce and Veterinary Science are to be addressed to the Registrar of the University; correspondence regarding curricula, instruction and examinations in a particular Faculty is to be sent to the Secretary of that Faculty, while enquiries with reference to College instruction and residence are to be addressed to the Registrar of the College concerned.

## ADMINISTRATIVE OFFICERS—FACULTY OF MEDICINE.

### 1921-1922.

*President*. .SIR ROBERT ALEXANDER FALCONER, K.C.M.G., D.LITT., LL.D.
*Dean of the Faculty*.....ALEXANDER PRIMROSE, C.B., M.B., C.M., Edin.
*Associate Dean of the Faculty*....JOHN JAMES RICKARD MACLEOD, M.B., CH.B., Aber., D.P.H., Camb.
*Secretary of the Faculty*.....EDWARD STANLEY RYERSON, M.D., C.M.

The Dean may be seen at his office, 100 College Street, between 12.30 and 1.30 daily.

The Associate Dean may be seen at his office, Room 43, in the Medical Building.

The Secretary of the Faculty may be interviewed in his office in the Medical Building between 2.30 and 4 p.m. daily.

Registration of students in the Faculty of Medicine takes place in the Secretary's Office on the first day of term of each session when the student is given his Registration Card. Division into sections and clinical classes is carried out by the Secretary. For information with regard to application for admission to the First Year, see Sections 11 and 12.

Copies of the following may be obtained on application at the Secretary's Office—Calendar; time-tables; students' weekly report of attendance; surgical record books for Third, Fourth and Fifth Years; obstetrical record books; surgical history books; standard of case taking as laid down by the American College of Surgeons; petition form blanks; doctor's certificate forms; attendance certificates; tickets of admission to examinations; applications for examinations; official results of examinations.

### Professors Emeriti.

JAMES ALGERNON TEMPLE, M.D., C.M., LL.D., M.R.C.S., Eng.
FREDERICK LEMAITRE GRASETT, M.B., C.M., F.R.C.S., Edin.
ADAM HENRY WRIGHT, B.A., M.D.
GEORGE STERLING RYERSON, M.D., C.M.
ALEXANDER MCPHEDRAN, M.B., M.D., C.M., LL.D.
ALLEN MCKENZIE BAINES, M.D., C.M., L.R.C.P., Lond.
HENRY THOMAS MACHELL, M.D.
IRVING HEWARD CAMERON, M.B., LL.D., Edin., F.R.C.S., Eng., F.R.C.S., Edin., F.R.C.S.I., F.A.C.S.
GEORGE HERBERT BURNHAM, M.D., F.R.C.S., Edin., M.R.C.S.,Eng.
NEWTON ALBERT POWELL, M.D., C.M., M.D., Bellevue, N.Y.

## COUNCIL OF THE FACULTY OF MEDICINE.

### Professors, Associate Professors, Lecturers and Associates.

* Lecturers and instructors as indicated by the asterisk shall act as Assessors only and shall not be entitled to vote.

WILLIAM JOHN ALEXANDER, B.A. Lond., Ph.D. Johns Hopkins, LL.D.,
*Professor of English*, 178 High Park Avenue.

FRANCIS BARCLAY ALLAN, M.A., Ph.D.,
*Professor of Organic Chemistry and Secretary of the Department of Chemistry* 380 Brunswick Avenue.

*WILLIAM HAROLD TREVORROW BAILLIE, M.A., M.B.,
*Lecturer in Mammalian Anatomy*, 53 Boon Avenue.

NELSON HENRY BEEMER, M.B.,
*Extra-mural Professor of Psychiatry*, The Asylum, Mimico.

BENJAMIN ARTHUR BENSLEY, B.A., Ph.D. Columbia,
*Professor of Zoology*, 37 Admiral Road.

GEORGE MAITLAND BIGGS, M.B.,
*Associate in Oto-Laryngology, Toronto General Hospital*,
341 Bloor Street, West.

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*Associate Professor of Clinical Surgery and Clinical Anatomy, Surgeon, Chief of Service, Toronto General Hospital*,
68 Isabella Street.

*EDWARD ALEXANDER BOTT, B.A.,
*Lecturer in Psychology*, 325 Huron Street.

GEORGE SYDNEY BRETT, M.A., Oxon.,
*Professor of Philosophy,*
*Professor of Ethics and Ancient Philosophy*, 127 Albany Avenue.

ALAN BROWN, M.B.,
*Associate Professor of Medicine, in charge of Paediatrics, Physician in Chief, Hospital for Sick Children*, 423 Avenue Road.

HERBERT ALEXANDER BRUCE, M.D., F.R.C.S. Eng.,
*Associate Professor of Clinical Surgery,*
*Surgeon, Chief of Service, Toronto General Hospital*,
64 Bloor Street, East.

ELI FRANKLIN BURTON, B.A. Cantab., Ph.D.,
*Associate Professor of Physics*, Weston, Ontario.

JOHN HOME CAMERON, M.A.,
*Professor of French*, 96 Admiral Road.

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*Research Associate, Connaught Antitoxin Laboratories,*
*Clinician in Medicine, Toronto General Hospital*,
13 Spadina Road.

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*Associate Professor of Clinical Medicine,*
*Consulting Physician, Toronto General Hospital,*
26 Gerrard Street, East.

HARVEY CLARE, M.D.,
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*Assistant Director of Hospitals for Insane in Ontario,*
999 Queen Street, West.

CHARLES KIRK CLARKE, M.D., LL.D.,
*Professor of Psychiatry,*
*Psychiatrist, Toronto General Hospital,*
34 Roxborough Street, East.

WILBERT AMIE CLEMENS, M.A., Ph.D. Cornell,
*Assistant Professor of Biology,*
215 Davenport Road.

ALLAN FREETH COVENTRY, B.A. Oxon.,
*Assistant Professor of Vertebrate Embryology,* Hart House.

*EDWARD HORNE CRAIGIE, B.A., Ph.D.,
*Lecturer in Comparative Anatomy,*
40 Leopold Street.

ROBERT DAVIES DEFRIES, M.D., D.P.H.,
*Assistant Professor of Hygiene,*
*Associate Director Connaught Antitoxin Laboratories,*
135 Collier Street.

ALFRED TENNYSON DELURY, M.A.,
*Professor of Mathematics,* 81 St. Mary Street.

JOHN GERALD FITZGERALD, M.D.,
*Professor of Hygiene and Preventive Medicine,*
*Director of Antitoxin Laboratories,* 186 Balmoral Avenue.

JOHN TAYLOR FOTHERINGHAM, C.M.G., B.A., M.B., M.D., C.M., F.A.C.S.
*Associate Professor of Medicine and Clinical Medicine,*
(Hon.), LL.D. (Hon.),
*Consulting Physician, Toronto General Hospital,*
*Consulting Physician, Hospital for Sick Children,*
20 Wellesley Street.

*DONALD THOMAS FRASER, B.A., M.B.,
*Lecturer in Hygiene and Preventive Medicine,*
York Mills, Ontario.

WILLIAM STANLEY FUNNELL, M.A.,
*Lecturer in Chemistry,* 348 Davenport Road.

WILLIAM EDWARD GALLIE, M.D., F.A.C.S., F.R.C.S. Eng.,
*Associate in Surgery and Clinical Surgery,*
*Surgeon, Hospital for Sick Children,* 143 College Street.

LACHLAN GILCHRIST, M.A., Ph.D., Chicago,
*Assistant Professor of Physics,*
North House, University of Toronto.

WILLIAM GOLDIE, M.B.,
*Associate Professor of Clinical Medicine, Toronto General Hospital*
*Consulting Physician, Hospital for Sick Children,*
86 College Street.

PERRY GLADSTONE GOLDSMITH, C.B.E., M.D., C.M.,
*Associate Professor of Oto-Laryngology,*
*Senior Assistant Surgeon, Department of Oto-Laryngology, Toronto General Hospital,* 84 Carlton Street.

DUNCAN ARCHIBALD LAMONT GRAHAM, M.B.,
*Professor of Medicine and Clinical Medicine,*
*Physician in Chief, In-Patient and Out-Patient Department, Toronto General Hospital,* 1 Queen's Park.

VICTOR JOHN HARDING, D.Sc. (Vict. Eng.), A.I.C.,
*Professor of Pathological Chemistry,*
Pathology Building.

STEPHEN MOFFATT HAY, M.D.,
*Associate Professor of Clinical Surgery,*
*Surgeon, Chief of Service, Toronto Western Hospital,*
2 Spadina Road.

VELYIEN EWART HENDERSON, M.A., M.B.,
*Professor of Pharmacy and Pharmacology,*
Medical Building.

WILLIAM BELFRY HENDRY, D.S.O., B.A., M.B., F.A.C.S.,
*Associate Professor of Obstetrics and Gynaecology,*
*Assistant Gynaecologist, Toronto General Hospital,*
112 College Street.

ANDREW HUNTER, M.A., B.Sc., M.B., Ch.B. Edin.,
*Professor of Biochemistry,* 89 St. Joseph Street.

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*Assistant in Anaesthesia, Hospital for Sick Children,*
26 Foxbar Road.

GEORGE ROBINSON PIRIE, M.B., M.R.C.S. Eng., M.R.C.P. Lond.,
*Clinician in Medicine in Sub-Department of Paediatrics, Hospital for Sick Children,* 220 Bloor Street, West.

HAROLD WARNICA PRICE,
*Class Assistant in Biology,* 351 Sherbourne Street.

FREDERICK WHITNEY ROLPH, M.A., M.D., C.M.,
*Clinician in Medicine, Toronto General Hospital,*
13 Madison Avenue.

HAROLD LEE ROWNTREE, M.B.,
*Demonstrator in Anatomy,* 1203 Bloor Street, West.

WILLIAM ALBERT SCOTT, B.A., M.B., F.A.C.S.,
*Assistant in Obstetrics and Gynaecology, Toronto General Hospital,*
75 Bloor Street, East.

CHARLES SHEARD, JR., M.R.C.S. Eng., M.R.C.P. Lond.,
*Clinician in Medicine, St. Michael's Hospital,* 52 College Street.

NORMAN STRACHAN SHENSTONE, B.A., M.D. Columbia,
*Demonstrator in Clinical Surgery, Toronto General Hospital,*
196 Bloor Street, West.

EDWARD EARLE SHOULDICE, M.B.,
*Demonstrator in Anatomy,*
*Temporary Assistant in Clinical Surgery, Toronto General Hospital,*
461 Dovercourt Road.

JAMES STARR SIMPSON, M.D., C.M. McGill, L.R.C.P. Lond., M.R.C.S.,
*Temporary Assistant in Clinical Surgery, Toronto General Hospital,*
137 Avenue Road.

DAVID KING SMITH, M.B.,
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22 Wellesley Street.

GEORGE EDWARD SMITH, B.A., M.B.,
*Clinician in Medicine in Sub-Department of Paediatrics, Hospital for Sick Children,* 224 Bloor Street, West.

MAURICE EDWARD SMITH, B.A. (N.B.), M.A. Tor.,
*Assistant in Chemistry,* 12 St. Joseph Street.

ISSACHER RUEBERT SMITH, M.B., M.R.C.S. Eng., L.R.C.P. Lond.,
*Demonstrator in Anatomy,* 60 College Street.

PAUL DOUGLAS SPOHN, M.B.,
*Class Assistant in Biology,*
*Demonstrator in Anatomy,* 20 High Park Avenue.

JEAN SPROULE MANSON, M.B., M.R.C.S., L.R.C.P., F.A.C.S.,
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VALENTINE FREDERICK STOCK, B.A., M.B.,
*Demonstrator in Anatomy,* 166 George Street.

GEORGE STEWART STRATHY, M.D., C.M., L.R.C.P. Lond., M.R.C.S. Eng.,
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143 College Street.

ROY HINDLEY THOMAS, M.C., M.B.,
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EMERSON JAMES TROW, M.B.,
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*Demonstrator in Anatomy,* 154 Danforth Avenue.

FULTON SCHUYLER VROOMAN, M.B.,
*Demonstrator in Psychiatry,* 999 Queen Street, West.

WILFRED PARSONS WARNER, M.B.,
*Fellow in Pathology,* 142 St. George Street.

WILLIAM VIRGIL WATSON, M.B.,
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120 Quebec Avenue.

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143 College Street.

ARTHUR MARSHALL WYNNE, M.A.,
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GEORGE SILLS YOUNG, B.A., M.B.,
*Clinician in Medicine, Toronto General Hospital,*
143 College Street.

## DEGREE OF BACHELOR OF MEDICINE.

1. The thirty-fifth session since the re-establishment of the Faculty of Medicine of the University of Toronto will commence on Tuesday, the 27th of September, 1921.

2. The Degrees in Medicine are Bachelor of Medicine—M.B., Bachelor of Science—B.Sc. (Med.), and Doctor of Medicine—M.D.

3. Candidates for the degree of Bachelor of Medicine are required to matriculate and to attend during six sessions of at least eight months each the courses of instruction presented, and to pass examinations taken at the end of each session.

### ENTRANCE.

4. Details in individual cases as to entrance requirements to the University, may be obtained on application to the Registrar of the University.

Attention is drawn to the raising of the standard of entrance to the Faculty of Medicine which becomes effective in 1922.

#### Entrance Requirements for 1921.

The registration of students in the First Year will be greatly reduced from that of the session 1920-21.

Applications will be received until September 15th, after which date the selection of the students to be admitted, will be made. In this choice regard will be had

(*a*) to those returned soldiers who have then complied with the entrance requirements of October 1920,

(*b*) to those applicants whose certificates are of a higher standing than Pass Junior Matriculation.

Preference will be given in all cases to students from the Province of Ontario.

#### Entrance Requirements for 1922.

5. A student must have completed the seventeenth year of his age before the first of October of the year in which he proposes to enter. Only under exceptional circumstances will a candidate of thirty years or over be admitted.

The subjects for Matriculation in Medicine will be:

#### Part I—Pass Matriculation.

Latin (Authors, one paper; Composition, one paper).

English (Literature, one paper; Composition, one paper).

History (British and Canadian, one paper; Greek and Roman, one paper).

Mathematics (Algebra, one paper; Geometry, one paper).
Experimental Science (Physics, one paper; Chemistry, one paper).
Any one of
Greek (Authors, one paper; Composition, one paper).
French (Authors, one paper; Composition, one paper).
German (Authors, one paper; Composition, one paper).
Spanish (Authors one paper; Composition, one paper).

**Part II—Honour Matriculation.**

English (Literature, one paper; Composition, one paper); at least Third Class Honours.
Mathematics (Algebra, one paper; Geometry, one paper; Trigonometry, one paper); at least Third Class Honours.
One of:
Latin (Authors, one paper; Composition, one paper); at least Third Class Honours.
Greek (Authors, one paper; Composition, one paper); at least Third Class Honours.
French (Authors, one paper; Composition, one paper); at least Third Class Honours.
German (Authors, one paper; Composition, one paper); at least Third Class Honours.
Candidates for Matriculation in this Faculty are advised to take the complete Part I at one examination, and in a subsequent year, Part II.

6. A candidate possessing a degree in Arts from any recognized University may be considered as having fulfilled the entrance requirements.

7. A candidate coming from a Province of Canada other than Ontario must present certificates of a standard equivalent to that required from students of the Province of Ontario.

8. Students are required to complete matriculation before being admitted to the course in Medicine.

9. No fee will be charged for transferring from the Faculty of Arts to that of Medicine.

**Application for Equivalent Standing.**

10. Any student of another University or College who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required first to communicate with the Registrar of the University, forwarding to him a full statement of preliminary education with certificates. After receiving notice from the Registrar that the entrance requirements have been met, the student should send an application to the Secretary of the Faculty of Medicine together with—

*(a)* A calendar of the University in which he has studied, giving a full statement of the courses of study.

(*b*) A complete official statement of the course he has followed and the standing obtained in percentage.

(*c*) A certificate of moral character and conduct.

After submission of this application to the Faculty Council the candidate will be notified as to the decision reached.

No student from a Medical Faculty of another University will be accepted unless his certificates show that he has completed the work and examinations in the subjects for which the certificates are presented.

## REGISTRATION.

11. Students desiring to enter the course in Medicine are required to submit their application form in duplicate along with the certificates on which they claim entrance standing, to the Registrar of the University, in the Main Building, on or before September 15th. After this date each candidate will be notified as to whether his application has been accepted or not, a matriculation card being enclosed to those applicants who are accepted.

12. On presentation of this card on or before the day of registration (September 27th) to the Secretary of the Faculty of Medicine, candidates will be officially registered by him as students in Medicine.

13. Students in the Second and higher years will receive by mail from the Secretary, an application form for registration in the succeeding year. This form must be filled in and forwarded to the office of the Secretary of the Faculty of Medicine on or before September 15th.

14. On September 27th a student must present himself in person for his registration card which gives his number, section and class. No student shall be allowed to register in the Faculty of Medicine after the first day of term. No student shall be admitted to any laboratory or clinical class after its first meeting except at the discretion of the instructor concerned.

15. No student will be permitted to register in the second or any succeeding year until he has completed all the examinations of the preceding year.

16. Only under exceptional circumstances will a student be permitted to repeat his year more than once.

17. Subdivision into sections and clinical classes will be made by the Secretary. Students wishing to be placed in the same section or clinical class must apply conjointly in writing to the Secretary on or before June 1st.

*It should be understood that the programme and regulations regarding courses of study and examinations contained in this Calendar, hold good for this calendar year only, and that the Faculty of Medicine, while fully sensible of its obligations towards the students, does not hold itself bound to adhere absolutely, for the whole six years of a student's course, to the conditions here laid down.*

### Attendance.

18. Students are required to attend lectures and receive practical instruction during each of the six years at this University.

19. A student who fails to do satisfactory term work in any subject is not permitted to present himself for examination until he is able to present satisfactory certificates of term work completed.

20. In cases of students applying for temporary positions in hospitals or for *locum tenens* to physicians, the permission of the Faculty Council must be obtained before they will be allowed to absent themselves from the lectures and laboratory work of the University.

*No applications or petitions for exemptions from classes, laboratory work or examinations will be received or considered unless filed at the Secretary's office on or before October 15th of any year.*

## FEES FOR INSTRUCTION.

### Regular Students in Medicine.

21. All University fees are payable at the Bursar's office in the Main University Building, between the hours of ten and one o'clock, except on Saturday.

22. *Regular Students.* First, Second, Third, Fourth, Fifth and Sixth Years—Annual Fee, including tuition, library, laboratory supply, hospital* and one annual examination—

If paid in full on or before November 10th..... $150.00

By instalments—

First instalment, if paid on or before November 10th..... 75.00

Second instalment, if paid on or before February 10th..... 78.00

Hart House and Students Administrative Council fee, to be paid by all men students proceeding to the degree..... 11.00

Women Students' Administrative Council Fee, to be paid by all women students proceeding to the degree..... $3.00

23. *Combined Courses in Arts and Medicine.*

Annual Fee, including college registration, library, laboratory supply, and one annual examination:

| | Arts Fees. | Medical Fees. | Total. |
|---|---|---|---|
| First Year Arts | $57.00 | | $57.00 |
| Second Year Arts | 58.00 | | 58.00 |
| Third Year Arts and Second Year Medicine | 57.00 | $85.00 | 142.00 |
| Fourth Year Arts and Third Year Medicine | 62.00 | 85.00 | 147.00 |

*The composite fee of $150.00 includes one session's clinical facilities at the Toronto General Hospital, St. Michael's Hospital, or Toronto Western Hospital, and the Hospital for Sick Children, but does not cover the midwifery ticket for the Burnside Lying-in Hospital, which must be obtained there.

The fees for the Fourth, Fifth and Sixth Years in the Faculty of Medicine are as for regular students.

Payment of the Medical portion of the fees—

If paid on or before November 10th..... $85.00

By instalments—

First instalment, if paid on or before November 10th..... 43.00

Second instalment, if paid on or before February 10th..... 44.00

24. Fees for Graduate and Special Courses.

(1) Graduates attending undergraduate courses per month $10.00

(2) D.P.H. Course..... 150.00

By instalments:

1st instalment at the beginning of the Fall Session 75.00

2nd instalment at the beginning of the Winter Session..... 75.00

Fee for the Diploma..... 20.00

(3) Undergraduates taking Summer Course in clinical subjects, per course..... 20.00

Three or more courses..... 50.00

25. All of the above fees are payable in advance. After November 10th, a penalty of $1.00 per month will be imposed until the whole amount is paid. In the case of payment by instalments the same rule as to penalty will apply. A student will not be admitted to any of the University lectures or laboratories who is in arrears for his fees.

26. *General Fees.*

Matriculation, or registration of Matriculation..... $5.00

Supplemental examinations..... 10.00

Admission *ad eundem statum*..... 10.00

Degree of M.B..... 20.00

Degree of M.D..... 20.00

Admission *ad eundem gradum*..... 20.00

In the case of candidates for the Final Examinations, the fee for the degree must be paid to the Bursar not later than the 20th of March.

### Hart House and the Students' Administrative Council.

27. The annual fee..... $11.00

Every male student in attendance, proceeding to the degree of Bachelor of Medicine, is required to pay to the Bursar at the time of the entry of his name with the Secretary, the annual fee of eleven dollars for the maintenance of Hart House and the Students' Administrative Council.

### WOMEN STUDENTS' ADMINISTRATIVE COUNCIL FEE.

28. The Annual Fee..... $3.00

Every woman student in attendance, proceeding to the Degree of Bachelor of Medicine, is required to pay to the Bursar at the time of the entry of her name with the Secretary, the annual fee of three dollars for the maintenance of the Women Students' Administrative Council.

## INSTRUCTION.

29. The course of instruction given by the Faculty of Medicine consists of six sessions of eight months each, preparing students for the degree of M.B.

30. The course is so framed that the requirements of the various Provincial Licensing bodies are fulfilled and it aims at giving the student such a training in the sciences as is now exacted of all those who desire to obtain any British Medical qualification in addition to a Canadian one.

The Senate of the University of Toronto determined that the increase in the length of the undergraduate course in medicine from five to six years should go into effect in the Autumn of 1919 (Session 1919-1920.) All students entering on or after this date will be required to proceed in the Six Years' Course. There will therefore be no Second Year of the Five Years' Course during Ssesion 1921-1922.

## INSTRUCTION IN SIX YEARS' COURSE.

31. The student of Medicine is reminded that during his years of study he is preparing himself to enter a profession which presents manifold and diverse aspects. No prescribed course of study of practicable length can by any possibility fit the student for all of the special careers which the profession of medicine offers. The curriculum provided by the Faculty of Medicine is designed to furnish a framework of knowledge and technical skill which will adequately equip all students for the general practice of medicine and its branches, the time allotted for this purpose, in every subject of the course, being well in excess of that required as the minimum by examining boards and Universities in this and other countries. The six years' curriculum, however, also provides for the student filling in and amplifying his regular work with special studies that are designed either to broaden his general education, and therefore make him better fitted for the practice of medicine, or to enable him to undergo, in certain of the subjects of the curriculum, a somewhat more intensive training than is essential for all students, so as to prepare him for some particular type of medical career. To enable the student to accomplish these purposes a number of hours of optional study are prescribed, the precise subjects of study being largely left to the student's choice. It is, however, expected that this choice will not be aimless, but made of set purpose and designed to some particular end.

It will be of decided advantage to the student to form some conception of the general type of medical career which he desires to follow at an early period in his course. This is particularly so when a career in laboratory investigation (and teaching), hygiene or psychiatry is thought of. This choice should be made with great care, and only after a thorough in-

vestigation of the work involved. But it may be pointed out that it would not handicap a student if he should decide after trial of one type of course to change to another.

During the *first year* only a limited number of optional hours are available. The student who, upon entering the Faculty of Medicine is unfamiliar with scientific methods of work and thought is advised to utilize these hours in acquiring thorough familiarity with the prescribed subjects. The student who has some previous acquaintance with science and feels confident that he will not experience any exceptional difficulty in familiarizing himself with the prescribed subjects, is advised to devote a certain proportion of his optional hours to the study of such subjects of general knowledge as will assist in providing him with that breadth of outlook and catholicity of interests which will enable him to enter with intelligence into the life and interests of the communities with which he may find himself associated, and to speak and write in a clear, simple and convincing manner.

Among the various courses of this nature which are available to the first year student the following are especially recommended:—

English.....2 hours
History.....2 hours
Scientific French.....2 hours
or
Scientific German.....2 hours
Mathematics (recommended for students of Group B4).

It is at the beginning of his *second year* that it will be of decided advantage to the student who contemplates a career in laboratory investigation (and teaching) hygiene or psychiatry to make his choice. While the prescribed regular schedule for the second and third years adequately covers all the subjects necessary for a thorough grounding in the introductory medical sciences, there is a certain amount of extra time in which those students who may have decided that they wish to enter some special field, can take extra courses designed to fit them to that end, or in which other students may take courses in general knowledge which will be useful and valuable in whatever branch of medical science they may afterwards find their life work. It should be clearly understood that the regular and optional schedules are so arranged that it will ultimately be no hardship if a student, having mistakenly elected some special course, should decide to proceed in some other direction.

Broadly speaking the student should aim at preparing himself in one or other of the following directions:

(*a*) General Practice Most students will naturally prepare themselves for the general practice of Medicine.

(*b*) There are certain students, however, who may desire to undergo a training which will qualify them for some special type of career. Such careers are as follows:

1. Medicine or Surgery.
2. Mental Diseases.
3. Public Health.
4. Laboratory investigation (and teaching).

Before entering upon one of the courses of Class (b) the student must have the sanction of the Faculty on the recommendation of his adviser.

(*a*) In preparing for *General Practice* the student should remember that his profession will be at least as much a branch of social service as of technical scientific practice and that upon a number of occasions in his career he will likely be called upon for advice and guidance in matters in which not only his medical skill and knowledge will be involved, but also social, ethical and economic factors, a right understanding of which will often enable his services to be very much more effective. The student of this category is, therefore, urged to utilize a substantial proportion of his optional hours of study in acquiring some measure of knowledge of the leading principles of ethics and economics, including sociology. Optionals may be profitably chosen from among the following subjects:—

*Second Year:*—Any of the optionals of the first year also

*English.....2 hours.
*History.....2 hours.
*Political Economy (Economics).....2 hours
*Philosophy.....2 hours.
*Psychology.
Chemistry (Physical Chem.).
Chemistry (Special course).
Physics.
Biology (Heredity and Eugenics).

*Third Year:*—Any of the optionals of the first two years also:

*Political Economy (Economics and Sociology)...2 hours.
Philosophy (Logic and Theory of Method).....2 hours.
History.....3 hours.

Additional work in any of the Medical Sciences of the first three years.
Practical Dietetics (Household Science), 2 hours for 15 weeks.

(*b*) 1. In preparing himself for *Internal Medicine* or *Surgery* the student is recommended to equip himself as thoroughly as possible in the introductory Medical Sciences. He is, therefore, urged to choose the bulk of his optionals during his second and third years from subjects of this character. He must, however, also elect during both years, one of the asterisked subjects indicated above. Optionals may profitably be chosen from among the following subjects:—

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*During each of these years every student must elect as one of his optionals at least one of the subjects marked with an asterisk.

*Second Year:*—Chemistry.
Physics.
Comparative Anatomy (Zoology).
Additional Anatomy.
Additional Histology and Embryology.
Any of the subjects detailed under the second year of Group (a).

*Third Year:*—Additional Biochemistry.
Additional Physiology.
Chemistry.
Any of the subjects detailed under the second and third years of Group (a).

(*b*) 2. The student who designs subsequently to devote himself to the study of *Mental Disease* is especially urged to equip himself with a knowledge of modern experimental psychology. He must elect one of the asterisked subjects under Group (a). Besides this the following subjects are recommended:—

*Second Year:*—Psychology.
Chemistry.
Physics (Electricity, etc.).

*Third Year:*—Psychology.
Additional Physiology.
Additional Biochemistry.

(*b*) 3. The student desiring to work in the field of *Public Health* should aim at acquiring some knowledge of economics in order to enable him to comprehend the political and social aspects of his work, and he should acquire a knowledge of Parasitology, of the structure, habits and control of disease-bearing insects, and especially of bacteriology immunology. He must elect one of the asterisked subjects of Group (a). Besides this the following subjects are recommended:—

*Second Year:*—Political Economy.
Biology (Parasitology).
Chemistry.
Sanitary Engineering.
Sanitary Chemistry.

*Third Year:*—Bacteriology.
Protozoology.
Additional Biochemistry.
Statistics (Actuarial Science).

(*b*) 4. The student who aims at a career of *Laboratory Investigation* should be guided by the requirements of the field in which he desires to work, and should choose his subjects of optional study in conference with the adviser and the head of the department representing the subject in which he expects to be especially interested. The student is reminded, however, that in all fields of laboratory research, mathematics is becoming

of rapidly increasing importance and he is strongly urged to acquire a knowledge of elementary calculus and of statistical methods. He must also elect one of the asterisked subjects of Group (a).

**Student Adviser.**

32. In order to assist the student in making a correct choice of optional subjects, a student-adviser has been appointed for each year. Every student is required to submit to the adviser a list of his proposed studies and his time table, and the written approval of the adviser and the consent of the Faculty Council will be required before the student's registration will be considered to have been completed. It is understood that any coherent plan of study designed by the student for a particular and intelligible purpose will be approved, but courses of study which appear to be manifestly unsuitable, and for his choice of which the student can furnish no adequate explanation or excuse, will not be approved by the adviser.

Student Adviser for Class of 1919.....PROF. J. J. R. MACLEOD
Student Adviser for Class of 1920.....DR. E. S. RYERSON.
Student Adviser for Class of 1921.....PROF. V. E. HENDERSON.

## INSTRUCTION IN THE FIVE YEARS' COURSE.

33. During the Third Year of the Five Years' Course an attempt is made to bridge the gap which so commonly exists between the primary scientific and the final clinical subjects, by taking up Anatomy and Physiology at the same time as Surgery and Medicine throughout the year. Preliminary courses in Pathology and Pathological Chemistry are given during the Easter term. Instruction is also given in Pharmacology. A series of ten lectures upon Psychology is delivered in this year. Particular attention is paid during this year to teaching the student the methods of physical examination of both Medical and Surgical cases.

34. In the Fourth Year of the Five Years' Course the student devotes his mornings to clinical work at the various Hospitals. He spends the remainder of his afternoons at didactic lectures and at laboratory work in Pathological Histology and Gross Pathology. The clinical instruction is so directed as to prepare the student to undertake the complete physical examination of any patient, the greater part of his time being occupied with Medical and Surgical cases. In this year the student is introduced to the subjects of Obstetrics, Gynaecology, and the specialties of the Eye, Ear, Nose and Throat. Several weeks are spent in the study of Paediatrics and Orthopaedic Surgery at the Hospital for Sick Children. Lectures are also delivered during the year in Special Pathology, Therapeutics, Surgical Anatomy, Medical Jurisprudence, Toxicology and Hygiene.

35. During the Fifth Year of the Five Years' Course the student devotes one period of ten weeks to Clinical Medicine, one of ten weeks to Surgery and Surgical Pathology, and one period of five weeks to Obstetrics and

Gynaecology, and one of five weeks to Clinical Therapeutics, Opthalmology, Oto-Laryngology, Dermatology, Paediatrics, Neurology and Psychiatry. Those students whose work and standing justify it, will be given special advanced courses of laboratory work in Pathology and Pathological Chemistry or some special instruction in one of the clinical departments. Clinical lectures in Medicine, Surgery and special subjects, Pathological Conferences, and short courses of lectures on Anaesthesia. Dentistry, Medical Ethics, History of Medicine, and Life Insurance are also given in the Fifth Year.

## 36. SUBJECTS OF INSTRUCTION.

**Five Years' Course.** **Six Years' Course.**

FIRST YEAR.

1. Biology.
2. Chemistry.
3. Physics.
4. Science and Civilization.
5. English Expression.
6. Option.

SECOND YEAR.

1. Anatomy.
2. Histology.
3. Embryology.
4. Chemistry (Organic and Physical).
5. Option one.
6. Option two.

THIRD YEAR.

1. Anatomy.
2. Physiology.
3. Pharmacology.
4. Pathology.
5. Pathological Chemistry.
6. Clinical Laboratory Methods.
7. Medicine
8. Surgery.
9. Psychology.

1. Physiology including Psychology.
2. Biochemistry.
3. Bacteriology.
4. Anatomy.
5. Option one.
6. Option two.

FOURTH YEAR.

1. Medicine including Paediatrics.
2. Surgery.
3. Obstetrics and Gynaecology.
4. Pathology.
5. Pathological Chemistry.
6. Hygiene and Preventive Medicine.
7. Medical Jurisprudence.
8. Toxicology.
9. Psychiatry.
10. Ophthalmology.
11. Oto-Laryngology.
12. Therapeutics.

Fifth Year.

1. Medicine including Paediatrics.
2. Surgery.
3. Obstetrics and Gynaecology.
4. Pathology.
5. Ophthalmology.
6. Oto-Laryngology.
7. Therapeutics.
8. Psychiatry

## SUMMER COURSES IN CLINICAL SUBJECTS.

37. For students who have been conditioned in Clinical subjects, courses in the following subjects will be given during the summer months.

Clinical Medicine,
" Surgery,
" Obstetrics,
" Gynaecology,
" Ophthalmology,
" Oto-Laryngology,

These Courses will be held at the Toronto General Hospital, St. Michael's Hospital and the Hospital for Sick Children.

(For information regarding fees for these Courses, see page 31).

## COMBINED COURSE IN ARTS AND MEDICINE.

38. It is possible for a student who takes this Biological and Medical Sciences Course, followed by the final years of the Medical Course, to obtain the degree of Bachelor of Arts at the end of four years and of Bachelor of Medicine after seven years study at the University. When entering the third year of the Arts course, these students register in the second year of Medicine and on entering their fourth year Arts, they register in the third year Medicine.

39. In the curricula of this Arts Course the Science subjects are treated more extensively than they are in the Medical curriculum.

40. The Biological and Medical Science Course completes the requirements of the first three years in Medicine with the exception of Bacteriology of the Second Year. First and Second Years in the Biological and Medical Science Course are equivalent to the First Year in Medicine. The first two years work is the same as that for the course in Physiology and Biochemistry. The students who proceed during the third and fourth years of the latter course take up the subjects of Physiology and Biochemistry *without reference to Medicine.*

41. These courses not only afford opportunities for a broader training and greater scientific attainment than is possible in the six years' course in Medicine, but they fit the student for a much wider field of usefulness after graduation. The graduate who has taken one of the Science Courses in Arts and subsequently the Course in Medicine is qualified to devote his life to one of the purely scientific lines of Medicine, if he should so elect, after leaving the University, and, moreover, he is, undoubtedly, better fitted to practise his profession should he desire to prepare himself for that alone.

42. Students who proceed to the Arts degree through other Science Courses may, on entering the Faculty of Medicine, be allowed exemption from such subjects in Medicine as they have taken in the curricula of the Faculty of Arts.

## B.Sc. (MED.) COURSE.

43. The degree of B.Sc. (Med.) has been added to the curriculum in Medicine so as to encourage scholarship and give official recognition to students who have done exceptionally well in the introductory medical sciences.

1. Medical students of the Six Years' Course who have reached the end of the third year or subsequent years of their course, and who have maintained a standard to be subsequently determined in all of their classes, may become candidates for the degree provided: (a) They spend one year longer (a fourth year) in the introductory medical sciences in groups of courses which will be mapped out on the general basis that the greater proportion of time is spent in one department of the introductory medical sciences, and the lesser proportion in adjunct departments. These students would also, except in the case of those entering with senior or honour matriculation, be required to show facility in reading one modern language besides English, and to take sometime during the four years the two years optional course in Mathematics for medical students, or General Biology.

2. Graduates in Medicine irrespective of the standard of their entrance requirements, who have maintained a satisfactory standard throughout their entire medical course, may become candidates for the degree provided: (a) They spend one additional year in work in some laboratory department of this University (including those of the clinical years) and carry out a piece of research to the satisfaction of the head of the department. (b) They acquire facility in reading one modern language besides English. Medical graduates who return to laboratory departments as fellows or demonstrators will be eligible for the B.Sc. (Med.) degree, but the successful prosecution of a piece of research is essential.

## ADMISSION TO EXAMINATIONS.

44. Every student who proposes to present himself at the Annual or Supplemental Examinations must see that the Secretary has in his possession the following:—

1. *An Application for Examination.* The form supplied must be filled in, signed, and left in the Secretary's Office on or before March 15th. Students presenting applications after this date must pay an additional fee of One Dollar.

2. *A Certificate of Attendance* indicating that he has complied with the regulations respecting attendance upon didactic, laboratory and clinical work in each of the subjects of instruction for the year in which he seeks examination. This Certificate is issued by the University and must be signed by the Head of each Department after completion of the course of instruction.

45. *Candidates for the Degree of Bachelor of Medicine* are required to have on their Certificates of Attendance the following additional particulars:—

(*a*) A certificate of having conducted at least twenty labours under the supervision of the Head of the Department of Obstetrics and Gynaecology.

(*b*) A certificate of proficiency in vaccination, from the Head of the Department of Hygiene.

(*c*) A certificate of having attended fifteen autopsies under the supervision of the Head of the Department of Pathology.

(*d*) A certificate of having administered anaesthetic on six occasions, under the supervision of the Head of the Department of Therapeutics.

46. No candidate will be admitted to the Annual or Supplemental Examinations unless he has paid all the fees due from him.

47. No candidate in a course involving practical work in a laboratory or clinic will be admitted to the Annual or Supplemental Examinations if the Professor under whom his work is carried on reports in writing to the Secretary that he has not done satisfactory laboratory or clinical work, or has signally failed in the practical examinations.

48. A candidate failing in Medicine, Surgery or other clinical subjects at the annual examinations, shall be required to take a course of additional instruction provided by the Faculty of Medicine in the subject or subjects in which he has failed, before again being admitted to examinations. The length of the term of additional instruction in each case of failure will be specified by the Board of Examiners in their returns at the Annual Examinations.

49. Undergraduates who have been prevented from attending the Annual Examinations by sickness, domestic affliction, or other causes beyond their control, may make application for permission to present themselves for examination at the Supplemental Examinations in September, and must give satisfactory evidence of the cause of absence.

## EXAMINATIONS.

50. The Annual Examinations are held in May at the end of the First, Second, Third, Fourth, Fifth and Sixth academic years, and the Supplemental Examinations in September.

51. The minimum pass standard in each subject of examination is 50%.

## SUBJECTS OF THE ANNUAL EXAMINATIONS.

### SIX YEARS' COURSE.

#### 52. FIRST EXAMINATION.

Group A.
1. Biology.
2. Chemistry.
3. Physics.

Group B.
4. Science and Civilization and English Expression.
5. Option.

Candidates who have passed in all but one subject may present themselves at the Supplemental Examinations next ensuing.

Candidates who have passed in all but two subjects, provided that they are not both in Group A, may present themselves at the Supplemental Examinations next ensuing.

Candidates who have failed in three or more subjects or in any two subjects of Group A, must repeat the entire work of the year, including the examinations in every subject of that year.

(The students' attention is particularly drawn to paragraph 15 page 30).

#### 53. SECOND EXAMINATION.

1. Anatomy.
2. Histology, Embryology.
3. Organic and Physical Chemistry.
4. Option one.
5. Option two.

#### 54. THIRD EXAMINATION.

1. Physiology.
2. Biochemistry.
3. Anatomy.
4. Bacteriology.
5. Option one.
6. Option two.

55. Candidates at the Second and Third Examinations who have passed in all but two subjects may present themselves at the Supplemental Examinations next ensuing.

Candidates at the Second and Third Examinations failing in three or more subjects must repeat the entire work of the year including the examinations in every subject of the year.

56. Candidates at the Supplemental Examinations who succeed in passing in the one or the two subjects in which they were conditioned at the Annual Examinations shall be allowed their year.

57. Candidates at the Supplemental Examinations who fail in any subject in which they were conditioned, will be required to repeat the entire work of the year, including the examinations in every subject of the year.

58. It has been the regulation for some years that students be not informed of the marks they have obtained at the Annual or Supplemental Examinations. In future a statement will be sent to all students who have not completely passed in all examinations and to any other students who request the same *in writing*, from the Secretary indicating their approximate standing as follows:— A—75% to 100%.
B—50% to 74%.
C—40% to 49%.
D—below 40%.

## 59. SUBJECTS OF THE ANNUAL EXAMINATIONS

### FIVE YEARS' COURSE.

#### Third Examination.

1. Anatomy.
2. Physiology.
3. Pharmacology.
4. Pathology and Pathological Chemistry.
5. Medicine.
6. Surgery.

Note.—The oral examination in General Anatomy will be held at the end of the Michaelmas term.

#### Fourth Examination.

1. Medicine including Paediatrics.
2. Surgery.
3. Obstetrics and Gynaecology.
4. Pathology.
5. Pathological Chemistry.
6. Hygiene and Preventive Medicine.
7. Medical Jurisprudence and Toxicology.
8. Therapeutics.

FIFTH EXAMINATION.

1. Medicine.
2. Surgery.
3. Obstetrics and Gynaecology
4. Pathology.
5. Paediatrics.
6. Clinical Ophthalmology.
7. Clinical Oto-Laryngology.
8. Clinical Therapeutics.

## REGULATIONS FOR LICENCE TO PRACTISE.

The right to practise Medicine in Canada or its provinces is not conferred when a student receives his degree from the University. There is a licensing body for the Dominion and one for each of the provinces, each of which has formulated certain medical laws and a standard of general education with which the student must comply before he is entitled to practise. One of these requirements is that it is necessary to be registered in the province in which the student intends to practise, five years before he can obtain a license. Students are therefore advised to complete their registration for license to practise in the First or Second Year.

For official information of all matters relative to the regulations for licence to practise in the various Provinces in the Dominion, students should communicate with the Registrar. The following is a list of the names and addresses of the Registrars of the Medical Councils:

For official information regarding the Medical Council of Canada address: Dr. R. W. Powell, 180 Cooper Street, Ottawa, Canada.

Ontario—Dr. H. W. Aikins, 170 University Ave., Toronto.
Quebec—Dr. J. Gauvreau, 30 St. James Street, Montreal, and Dr. C. R. Paquin, Quebec, P.Q.
New Brunswick—Dr. John S. Bentley, St. John.
Nova Scotia—Dr. W. H. Hattie, Halifax, N.S.
Prince Edward Island—Dr. S. R. Jenkins, Charlottetown.
Newfoundland—Dr. H. Rendell, St. John's, Newfoundland.
Manitoba—Dr. J. S. Gray, 358 Hargrave Street, Winnipeg, or W. J. Spence, Registrar, University of Manitoba, Winnipeg.
Alberta—Dr. G. Macdonald, Calgary, Alta.
Saskatchewan—Dr. G. A. Charlton, Regina.
British Columbia—Dr. A. P. Proctor, Victoria, B.C.

## HONOUR STANDING.

61. In the results of the examinations of each year, a list of those students who obtain an average of 75% in all subjects of the year and not less than 60% in any subject, shall be published as having obtained Honour Standing.

The names of those students who have obtained Honour Standing in the last two years of the course, shall in the graduating list be marked so as to indicate the fact that they have graduated with Honours.

## DOCTOR OF MEDICINE.

62. A Bachelor of Medicine will be eligible for the degree of M.D. on the following conditions—

(1) At least one year must elapse between the date of conferring the degree of M.B. and that of conferring the degree of M.D.

(2) He must present an approved thesis embodying the results of an original research conducted by the candidate in any department of Medicine.

(3) The subject of the thesis must be submitted to the Secretary of the Board of Graduate Studies at least five months before the degree is conferred.

(4) The degree may be conferred at Convocation or at any regular meeting of the Senate.

## ADMISSION AD EUNDEM GRADUM.

63. A graduate of any of the universities in Great Britain or Ireland, if his degree be not an honorary one, may be admitted to the like degree in the University of Toronto. He must send in his certificate to the Registrar at least two weeks before the first meeting of the session of the Senate at which his application is to be brought forward.

## The George Brown Memorial Scholarship in Medical Science.

64. Dr. A. H. F. Barbour, of Edinburgh, having placed one thousand pounds sterling at the disposal of the University of Toronto, for the purpose of founding a Scholarship in Medical Science in memory of the late Hon. George Brown, the following regulations have been adopted with regard thereto—

This scholarship shall be called the George Brown Memorial Scholarship in Medical Science and shall be awarded annually at the Convocation for conferring degrees in Medicine to the Bachelor of Medicine who shall have distinguished himself most in the subjects of Anatomy, Biology, Physiology, Biochemistry, Pharmacology, Pathology and Pathological Chemistry.

The award shall be made by a committee composed of the Professors in these subjects who shall report as to the successful candidates, after having given due attention to the results of the annual examinations, and to the character of the work done by the candidates in the University laboratories.

The holder of the scholarship during the year of tenure is required to engage in original research in any one of the laboratories of the University on some subject bearing on the advancement of medical science—the laboratory providing the material for the investigation.

The scholarship is to be paid in two portions, two-thirds at the time of award and one-third six months later, on the holder giving satisfactory report (to whomsoever the University may appoint) of the work he has already done.

A report of the research, when completed, is to be given to the University.

The value of the scholarship is five hundred dollars ($500.00).

### The Starr Medals.

65. The late Richard Noble Starr, M.D., devised certain property for the encouragement of post-graduate study in Anatomy, Physiology and Pathology, and in fulfilment of this object one gold and two silver medals called the "Starr Medals", are awarded annually to three candidates for the degree of M.D., who have shown by the theses which they have presented for that degree, that they have successfully pursued such study in any one of these subjects. The theses for which these medals are given must attain a standard approved of by the Board of Examiners, and the relative value of the theses will determine the rank of the candidates for the medals.

### George Armstrong Peters Scholarship.

66. The Scholarship will be awarded biennially to a graduate student of the University of Toronto on the recommendation of the Department of Surgery.

The first award was made in 1912. The holder of the Scholarship will be required to undertake work in one of the Departments of the University which will have some special bearing on Surgery.

This Scholarship will be available for any graduate who wishes to do special research work in connection with the Department of Surgery or in correlated subjects.

A graduate wishing to obtain the Scholarship must apply to the Department of Surgery and present his credentials, and the award will be made on the recommendation of the Department.

The value of the Scholarship is two hundred dollars ($200.00).

### A Prize.

67. A portion of the fund of the Reeve Post-Graduate Scholarship will be devoted to establishing a prize of $50.00, to be awarded annually for the best published report of work done in the laboratories by a research Fellow or junior member of the staff in any department in Medicine.

The award shall be made in September by a Committee composed of the Professors of Anatomy, Physiology, Biochemistry, Pharmacology, Pathology and Pathological Chemistry.

### The James H. Richardson Research Fellowship in Anatomy.

68. This Fellowship of the annual value of Five hundred dollars ($500.00) has been established in memory of the late Dr. James H. Richardson, for many years Professor of Anatomy in the University of Toronto. It is open to graduates in Medicine of the University of Toronto and of such other Universities and Medical Schools as may be approved by the Nominating Committee and to students in the University of Toronto who shall have completed the third year of the course in Medicine.

The fellowship is awarded on the nomination of a Committee consisting of the Professor of Anatomy, the Professor of Biology and the Professor of Surgery in the University of Toronto, and the holder of it is obliged, during its tenure, to devote his entire time to investigation in Anatomy under the direction of the Professor of Anatomy in the University of Toronto. The fellowship is tenable for one year, but the holder of it is eligible for re-appointment for not more than two additional years, at the discretion of the University Senate upon the recommendation of the Nominating Committee.

Applications for nomination to the Fellowship should be handed to the Professor of Anatomy not later than the first day of May of each year.

### Research Medicine.

69. During the early months of 1913, on request, a number of business men subscribed to a fund for the promotion of Clinical and Laboratory Research work in the Department of Medicine. The fund has already reached upwards of $75,000.00; it is payable in five annual instalments.

The first aim is to establish one or more Fellowships annually, for the recent graduates. Each Fellowship is tenable for three years, and will be of the value of $750 the first year.

### Ellen Mickle Fellowship.

70. A Fellowship, being the annual income from an endowment of Twenty Five Thousand Dollars ($25,000) has been established by the late Dr. W. J. Mickle, known as "The Ellen Mickle Fellowship", to be given to the student (or students) who in the examinations at the end of the fourth year of the Old Course or the fifth year of the New Course in Medicine, shall have taken honours of the first class in at least three fourths of the subjects of that year, and shall have obtained the highest marks in the examinations. The award will be made to the above referred to student (or students) provided he proceed to the degree of Bachelor of Medicine in this University and spend one year in post graduate study approved by the Council of the Faculty of Medicine.

### Charles Mickle Fellowship.

71. This Fellowship, bequeathed by the late Dr. W. J. Mickle, being the annual income from an endowment of Twenty Five Thousand Dollars ($25,000) will be awarded annually to that member of the medical profession who is considered by the Council of the Faculty of Medicine of the University of Toronto to have done most during the preceding ten years to advance sound knowledge of a practical kind in medical art or science.

## COURSES FOR GRADUATES IN MEDICINE.

72. The Faculty of Medicine of the University of Toronto recognizes that the practitioners of the Province are anxious to keep closely in touch with the advances in Medicine, and that they have a claim on the Provincial University to aid them in doing so. The Faculty considers this entails on it a duty second only to the instruction of the undergraduate.

At the present time the large amount of undergraduate teaching makes it impossible to offer during the academic session set courses of sufficient variety to meet all the needs of those who seek further study.

Those who have studied abroad know that the routine method is for the graduate to attend the instruction given to the students of the senior years in Medicine, to follow the ward rounds and to go to the out-patient department picking up what he can. The Faculty has opened the courses of instruction given to the higher years in Medicine to any one who cares to attend and refresh his knowledge in this way. A Standing Committee has been appointed whose duty it is to give any graduate interested, advice as to the clinics and lectures which should be taken and to confer with the heads of departments and individual teachers so as to arrange a course in advance for each applicant. Such a course may be modified by the committee if it does not prove suitable.

The Fifth Year student in Medicine is now receiving the most advanced type of clinical instruction, and his teachers often take advantage of the modern laboratory training given in the junior years and may thus make their instruction somewhat difficult to follow by those who have not had this preliminary training. The teacher will, however, be prepared to explain privately any difficulties or through the Committee to arrange for some special laboratory instruction. If special instruction is required in order to enable him to follow the clinical work, the Committee will attempt to arrange it.

During the past year 10 graduates attended undergraduate courses of this kind.

All the library facilities of the University will be open to any post graduate student under the usual conditions.

The staff fully realizes that every effort must be made to render the visit of each post-graduate student both pleasant and of real value. Instruction may be obtained as outlined above in the following:

Medicine.
Surgery.
Obstetrics and Gynaecology.
Paediatrics.
Otology, Rhinology, Laryngology.
Ophthalmology.
Preventive Medicine.
Pathology and Bacteriology.

The University will impose a minimum fee of $10.00 per month. This will be imposed for any course of less than a month as a registration fee. In such cases where extended work and attention is required, a special fee to cover the same will be arranged by the committee.

## SPECIAL GRADUATE COURSES.

73. The Faculty has, during the past year, arranged several special graduate courses. A month's course in Paediatrics was given last July and a combined course in Medicine, Surgery and Obstetrics lasting one week in the Christmas holidays. These courses were attended by a large number of graduates. It is the intention of the Faculty to arrange courses of a similar character each year. Such courses deal exhaustively with a limited part of a subject, with the object of making it as useful as possible to the general practitioner.

## EXTENSION LECTURES.

74. By an arrangement with the Ontario Medical Association the Medical Faculty of the University has offered to the profession some ninety lectures on the most important subjects in various fields of medical science. Application for these lectures may be made through the Secretary of the Ontario Medical Association, (from whom a copy of the titles of the lectures may be obtained), to the Faculty. Any society or group of physicians may apply for a course of lectures on any subject. Courses of this type on the Physiology of the Circulation and Respiration, the Chemistry of the Blood, as well as many clinical subjects, have been given this year in Hamilton, Ottawa and Brantford.

## CURRICULUM FOR THE DIPLOMA OF PUBLIC HEALTH.

1 The University provides a Diploma of Public Health (D. P. H.) on the following conditions:—

2. Candidates for the Diploma must be graduates in Medicine of this University or some other University recognized for this purpose by the Senate.

3. The curriculum leading to the Diploma extends over one Winter Session of eight months and one Summer Session of three months.

4. The Winter Session is devoted to:—

*Laboratory Courses and Lectures in :—*

(*a*) Bacteriology.
(*b*) Sanitary Chemistry.
(*c*) Parasitology.

*and, to attendance at:—*

(*d*) Clinics for Communicable Diseases.
(*e*) Psychopathic Clinics.
(*f*) Venereal Diseases Clinics.
(*g*) Tuberculosis Clinics.
(*h*) Well-Baby Clinics.
(*i*) Ante-Natal Clinics.

*and, to Lectures or Practical Work in:—*

(*j*) General Hygiene.
(*k*) Immunology.
(*l*) Applied Physiology.
(*m*) Sanitary Engineering.
(*n*) Public Health Organization and Legislation, and Vital Statistics.
(*o*) History of Preventive Medicine and Epidemiology.
(*p*) Nutrition and Dietetics.
(*q*) Industrial Hygiene.

The Provincial Board of Health of Ontario, the City Health Department of Toronto and the special Clinics at the Toronto General Hospital and the Hospital for Sick Children provide unusual facilities for instruction in the practice of Preventive Medicine.

5. The Summer Session is spent in Field Work in Public Health under the supervision of a recognized Department of Health and includes a study of the methods of dealing with communicable diseases, inspections of schools and other public buildings, factories and dairies, inspections of water supplies and sewage disposal plants; food and meat inspection and other forms of municipal sanitation, and medical inspection of school children.

6. When the required courses of study have been completed, written and practical examinations will be held on the subjects of the curriculum specified in paragraph 4.

7. Candidates who have passed the examinations and who have satisfactorily completed the work specified in paragraph 5 will be granted the Diploma in Public Health.

8. The fee for the course, as outlined in paragraphs 3, 4 and 5, is $150, payable in two instalments of $75.00 each, at the beginning of the Fall Session, and the Winter Session respectively. The fee for the Diploma is $20.00.

9. Candidates for the Diploma in Public Health are required to undertake the investigation of an assigned Public Health problem, complete the same and submit the results in the form of a report before being permitted to proceed to the examinations leading to the Diploma.

10. Graduates in Medicine, who for a period of two years have been engaged in full-time Public Health work, may, under the following conditions, take the examination specified in paragraph 6, when they have completed the courses required in paragraph 4.

The work required in the curriculum may be extended over a period of more than one academic year, and the examinations taken when all courses of study have been completed. A yearly fee of $75.00 payable at the beginning of the Fall Term, must be paid by candidates taking more than one year to complete the required courses. (If only one year is taken to complete the work the fee is $150.00).

11. Candidates who present satisfactory evidence of having completed work, the equivalent of that required in certain of the courses specified in paragraphs 4 and 5, may petition to be granted exemption from attendance on such courses. This will apply only in the cases of candidates who have been for at least two years engaged in full-time Public Health work, and who at the time of registration are so engaged.

12. The examination of those qualifying under clause 10 will be held in May and September, for others, in September only.

## CHEMISTRY.

*Professor of Organic Chemistry and Secretary of the Department of Chemistry:* F. B. ALLAN.
*Professor:* F. B. KENRICK.
*Professor of Physical Chemistry:* W. LASH MILLER
*Associate Professor:* J. B. FERGUSON.
*Assistant Professor of Electrochemistry:* J. T. BURT-GERRANS
*Assistant Professor of Analytical Chemistry:* L. J. ROGERS
*Lecturers:* W. S. FUNNELL, W. H. MARTIN
*Assistants:* J. E. CLARK, N. A. CLARK, C. S. GILBERT, E. HAAS, J. KELLEHER, W. B. LEAF, G. H. W. LUCAS, T. C. MCMULLEN, J. W. REBBECK, MISS I. L. ROBERTS, M. E. SMITH, G. WILLIAMS.

All lectures and practical work will be given in the Chemistry Building.

### First Year.

**Lectures.**—Students attend a course of experimental lectures delivered twice a week in the lecture theatre. This course embraces the study of the non-metallic and metallic elements and their principal compounds based on Mendelejeff's classification of the elements. These lectures are given by Professor W. R. Lang, Head of the Department from 1900 to 1919, when he took over the Department of Military Studies.

**Practical Chemistry.**—The laboratory work commences with quantitative and qualitative experiments illustrating the fundamental principles of chemistry; this is followed by work more intimately related to analytical chemistry. Instruction in quantitative methods of analysis is given.

### Second Year.

**Lectures.**—A course of lectures on the systematic classification of organic compounds and on elementary physical chemistry, twice a week.

**Practical Chemistry.**—A special laboratory course to accompany the above lecture course will be given during the Easter Term.

Students working in the laboratory are provided with the necessary apparatus on making a deposit of four dollars at the commencement of the session, which will be returned at its close after the following charges have been deducted from it—

(1) The cost of all apparatus broken or destroyed.

(2) Any fines for breach of laboratory rules.

No certificate will be given for the practical work unless the student has passed the practical examinations conducted during the session.

There is an optional course in volumetric chemistry.

*Text-books:*—Modern Inorganic Chemistry, Mellor; Inorganic Chemistry, Newth; General Chemistry for Colleges, Alex. Smith; Organic

Chemistry, Norris; Physical Chemistry for Physicians and Biologists, Cohen and Fischer; An Elementary Laboratory Course in Chemistry, Kenrick and DeLury.

*Books of reference recommended:*—Inorganic Chemistry, Richter; Organic Chemistry, Richter.

## PHYSICS.

*Professor and Director of the Physical Laboratory:* J. C. McLENNAN.

*Associate Professor:* E. F. BURTON.

*Assistant Professors;* LACHLAN GILCHRIST, JOHN SATTERLY, H. A. McTAGGART.

*Demonstrators:* MISS K. M. CROSSLEY, MISS I. B. GILES, MISS M. I. MACKEY, MISS H. C. MILLAR, MISS F. M. QUINLAN.

*Assistant Demonstrators:* E. D. MACINNES, W. C. McQUARRIE.

*Class Assistants:* MISS H. I. EADIE, F. W. KEMP.

*Secretarial Assistant:* MISS A. T. REED.

The work of instruction on Physics consists of a series of lectures and a course in practical work in the laboratories.

### First Year.

**Lectures.**—The lectures on Physics will not only give a concise outline of the subject, but are intended to form a satisfactory foundation for future study in other branches of science.

A course of lectures on Practical Mathematics for students of Physics will be given one day a week during the whole year. Each lecture will be followed by one hour on the practical application of the principles dealt with in the lecture.

There will be three lectures in Physics per week during the year; one lecture each week bears directly on the practical work assigned to the student, while the other two lectures each week are part of a course dealing more particularly with the principles of Physics of special use to students of Medicine. The following is an outline of the work covered:

1. APPLIED MATHEMATICS AND CALCULATIONS.

Calculations of experimental results to show limits of accuracy: contracted methods: logarithms.

Trigonometrical ratios defined, and simple relations deduced; reading of tables of sines, cosines and tangents.

Graphical methods; equations to straight line and parabola; logarithmic curves; deduction of simple formulae from graphs; slope of curves from graphs.

Simple ideas involved in the calculus; illustration of velocity of a falling body from $s = \frac{1}{2} gt^2$.

2. MECHANICS.

Measuring instruments, length, volume; verniers, micrometers.

Forces: conditions of equilibrium; resolution of forces, moments; centre of gravity; levers and simple machines.

Velocity; acceleration, momentum, force, work and power; absolute and practical units in English and metric systems; mass and weight; value of 'g'.

Energy, kinetic and potential; transmutation of energy; law of conservation of energy.

Simple harmonic motion; the pendulum; combination of two motions perpendicular to each other; Lissajous figures; Blackburn's pendulum.

3. HYDROSTATICS AND HYDROMECHANICS.

Laws of pressure in fluids at rest; Pascal's Law and Archimedes' principle: specific gravity; the hydrostatic paradox; resultant vertical forces on walls manometers, barometers, mercury and aneroid; Bramah's press; pumps.

Archimedes' principle in air; weight of atmosphere.

Laws of pressure in fluids in motion; Bernouilli's principle; applications such as atomizer, Bunsen burner, filter pump; action of air in winds and curving of balls in flight.

4. PROPERTIES OF MATTER.

Principles of the kinetic theory of matter; structure of solids, liquids and gases; diffusion; molecules and molecular forces.

Elastic properties of solids; bulk modulus, torsion modulus or rigidity, Young's modulus; micro-photographic study of metals; crystallization.

Viscosity of fluids; velocity gradient; coefficient of viscosity; Poiseuille's law for tubes; experimental determination of coefficient; Ostwald viscosimeter; viscosity and temperature; relation to blood flow; capillaries.

Surface tension; experimental illustrations, definition of coefficient and determination of same; energy of surface; shapes of free surfaces.

Laws of gases; theoretical determination of pressure, $p = 1/3\ mnV^2$; Boyle's Law; Charles' Law; laws of diffusion.

Change of state; solid to liquid, liquid to gas; vapour pressure, with measurement; relation to temperature; vapour density; liquefaction of gases; critical temperature and pressure; low temperatures.

Colloidal solutions; size of particles; physical properties; mobility; coagulation by electrolytes; Brownian movement and its molecular explanation; confirmation of the kinetic theory; dialysis; relation to body fluids and membranes.

5. HEAT.

Expansion of solids, liquids and gases; thermometers; Centigrade and Fahrenheit scales; absolute scale; maximum and minimum thermometers; clinical thermometer.

Capacity for heat; calorie; specific heats; latent heat of vaporization and fusion; calorimetry.

Heat as energy; mechanical equivalent of heat; Joule's law.

Vapour pressure; vapour density; dew point; various forms of hygrometers; relative humidity.

Radiation; laws of cooling; wave length of heat radiations; transmission of energy through space. Conduction.

6. Acoustics.

Production, propagation and recording of sounds; characteristics of a note, pitch, intensity and quality; definition of wave length; determination of velocity; $V=n\lambda$; resonance; stationary waves; organ pipes; laws of strings; membranes; voice production and structure of ear; interference of sound waves; beats and beat tones; absorption and reflection of sound; musical scales.

7. Electricity and Magnetism.

The fundamental phenomena associated with electrified bodies and the laws of the action of electrical charges. The methods of measurement of electrical charge, current, potential, capacity, resistance, conductance and the definition of the units of these quantities in the electrostatic, practical and electromagnetic systems.

The construction and action of the instruments used in measuring electrical quantities and the methods of calibrating them. These instruments include galvanometers, ammeters, voltmeters, electrometers, potentiometers and wattmeters.

The properties of liquid conductors, and the measurement of their conductivity. Faraday's laws of electrolysis and the method of determination of the electro-chemical equivalent.

The properties and laws of action of magnets and of the magnetic fields associated with a circuit having a current, the method of measuring magnetic mass and magnetic field intensity and the definition of the units of these quantities.

The method of production, the properties and the measurement of induced currents of varying frequencies and their application.

The discharge of electricity through gases, and the factors upon which their conductivity depends and the properties and uses of anode, cathode and X rays.

The methods of investigating and identifying radioactive substances. The properties of radioactive radiations and their uses.

8. Light.

The electron as a source of light waves—nature of the waves—their velocity in free space, water and glass—their reception by the eye. Analogies in sound and wireless signalling.

Reflection of waves from plane and spherical mirrors—focal lengths of spherical mirrors—images—optical diagrams.

Refraction of waves at a plane surface—index of refraction—the critical angle—methods of finding the index. Refraction of waves at a spherical surface—foci and focal lengths—the dioptre—power of a lens—images—optical diagrams.

*The eye.*—Diagram of the eye—accommodation—the normal, myopia and hpyermetropia eye—the far point—lens necessary to correct myopia and hypermetropia—astigmatism.

*Optical instruments.*—The reading lens, compound microscope, telescope, prism binoculars.

*Colour.*—Variation of refractive index with colour—deviation of light by a prism—dispersion—kinds of optical glass manufactured—achromatic pair of prisms—direct vision spectroscope—colour blindness.

*Spectroscopy.*—Emission spectra of solids, liquids and vapours or gases—spectrum analysis—absorption spectra—range of ether waves from infra red to ultra violet waves and X-ray waves.

*Polarised light.*—Polarisation by reflection, by refraction, by natural crystals—the nicol prism—rotation of the plane of polarisation, the polarimeter.

*Interference.*—Interference of waves—colours in thin films.

**Practical Work.**—The Practical Work, consisting of a laboratory course of three hours each week designed to illustrate the principles dealt with in the lectures, will be conducted under the supervision of the Director of the Laboratory.

**Tutorial Classes.**—In addition to the above, each student is required to attend a tutorial class, one hour each week, in the general work covered by all the above courses.

*Text-book:* W. H. White, Hand-book of Physics.

### Optional Courses in Physics.

In accordance with the plan outlined by the faculty optional courses in Physics are offered in years succeeding the first, as follows:

#### Second Year.

*Advanced Electricity and Magnetism*.....PROFESSOR BURTON.

This course of 60 hours is designed to follow on the work in electricity of the first year course.

#### Third Year.

*Colloidal Solutions and Radioactivity.*

I. *Colloidal Solutions*.....PROFESSOR BURTON.

A course of thirty hours lectures and demonstrating on the preparation of colloidal solutions and the study of their properties.

II. *Radioactivity*.....PROFESSOR SATTERLY.

A course of thirty hours lectures and practical demonstration on Radioactive Substances and their Radiations.

**Fourth Year.**

*Acoustics and Optics.*

I. *Acoustics*.....PROFESSOR BURTON.

A course of thirty hours lecture and demonstrations in advanced acoustics.

II. *Optics*.....PROFESSOR MCTAGGART.

A course of thirty hours lectures and demonstrations in advanced optics.

**Fifth Year.**

*Radiation*.....PROFESSOR MCLENNAN.

A course of sixty hours on radiations and their properties followed by practical work.

**Sixth Year.**

*Radiology*.....PROFESSOR GILCHRIST.

A course of sixty hours lecture and laboratory work on Radiology.

REGULATIONS.—Deposit Fee: Each student taking the laboratory course is required to make a deposit of three dollars ($3.00) before beginning work. All supplies, apparatus broken or destroyed and all fines will be charged against this deposit, which must be renewed when exhausted. At the close of the session cash balances will be returned on a day appointed for the purpose.

## Relation of Science to Civilization.

**First Year.**

**Lectures.**—The greater part of the assigned time of 60 hours will be devoted to a course of lectures designed to illustrate the influence which scientific thought and achievement have had on the development of modern civilization. The remaining time will be devoted to conferences and reviews. The lectures will be given jointly by several lecturers, but the course as a whole will be under the general direction of Professor Huntsman.

Attendance and examination requirements are the same for this as for other courses of the first year.

## EXPRESSION.

**First Year.**

**Tutorial Classes.**—In this course instruction will be given in the correct use of written and spoken English, and opportunity will be afforded each student to acquire experience in public speaking.

In order that the instruction may be as thorough as possible, the class will be divided into several groups, each of which will meet twice a week.

## BIOLOGY.

*Professor of Zoology:* B. A. BENSLEY.
*Associate Professor of Histology and Embryology:* W. H. PIERSOL.
*Associate Professor of Zoology:* E. M. WALKER.
*Assistant Professor in Vertebrate Embryology:* A. F. COVENTRY.
*Assistant Professor in Biology:* W. A. CLEMENS.
*Lecturer in Comparative Anatomy:* E. H. CRAIGIE.
*Lecturer in Histology:* W. H. T. BAILLIE.
*Lecturer in Biology:* J. C. MACARTHUR.
*Class Assistants:* H. D. BALL, N. FOUND, P. J. F. HOUSTON, W. V. JOHNSTON, N. B. LAUGHTON, J. M. MACDONALD, E. MCCULLOCH, A. G. MCPHEDRAN, L. M. MURRAY, L. PEQUEGNAT, H. W. PRICE, P. D. SPOHN, O. C. J. WITHROW.
*Secretarial Assistant:* MISS N. C. LAWLER.

### First Year.

**Lectures.**—1. Students of the First Year will attend a course of ninety lectures to be given three times a week during the session. The lectures will serve as an introduction to the biological fields in relation to medicine. The topics include (1) the general nature of living organisms and of cell processes, (2) the types of lower organisms of interest to students of Medicine, (3) the elements of comparative anatomy, and (4) biological principles as applied to man.

**Practical Work.**—2. A course of one hundred and eighty hours, comprising two three-hour periods per week, the materials of which are based as far as possible on Lecture course I. The work comprises microscope practice, elementary experimental studies on the nature of cell processes, types of lower organisms, and a selected list of vertebrates, including the elements of mammalian anatomy.

### Second Year.

**Lectures and Practical Work—**

1. A course of ten lectures and twenty hours laboratory work introductory to Embryology and Histology.

2. A course of fifteen lectures and sixty hours laboratory work on Histogenesis and General Histology.

3. A course of twenty lectures and forty hours laboratory work on the development of the human body.

4. A course of fifteen lectures and sixty hours laboratory work on Human Microscopic Anatomy

OPTION.—A course on the principles of evolution, heredity and eugenics in relation to medical and sociological problems (c.f. course 30, Arts Calendar).

The student will have the opportunity of providing himself with a set of typical histological specimens.

*Text-books:* Biology: O'Donoghue, Shull, Borradaile, McFarland, Bigelow, Parker.

Embryology: McMurrich, Manual of Embryology.

Mammalian Anatomy: Bensley, Practical Anatomy of the Rabbit.

Histology: Jordan, Text-book of Histology; Piersol, Normal Histology, 10th ed.; Bohm, v. Davidoff and Huber, Text-book of Histology, 2nd ed.; Bailey, Text-book of Histology.

*Reference Text-books:*—Embryology: Bailey and Miller, 3rd ed., Keibel and Mall, Prentiss and Arey. Histology: Schäfer, Text-book of Microscopic Anatomy (Quain's Anatomy, 11th edition; vol. II, pt. 1); Sobotta, Atlas of Human Histology.

## Physiology (including General Physiology.)

*Professor of Physiology:* J. J. R. MACLEOD.

*Assistant Professor of Physiology:* J. M. D. OLMSTED.

*Lecturer:* N. B. TAYLOR.

*Fellows:* MISS J. LANG, S. U. PAGE.

*Part Time Fellows:* MISS C. FRASER, C. F. KNIGHT, E. C. NOBLE, C. H. BEST.

*Librarian:* MISS M. GRANGE.

*Secretarial Assistant:* MISS M. E. ARMOUR.

The following courses of instruction each extending throughout the session are offered.

1. Systematic lectures; two a week during 1st term and four a week during 2nd term of third year.
   - *a.* General and neuro-muscular physiology.
   - *b.* Physiology of circulation, respiration, digestion and secretion.
   - *c.* Metabolism, the functions of the ductless glands and reproduction.
   - *d.* Physiology of the central nervous system and special senses.
2. Lectures in General Physiology.
3. Advanced lectures; two a week (third year—optional).
4. General laboratory courses (total of 180 hours).
   - *a.* Neuromuscular Physiology (second year).
   - *b.* Circulation, respiration and digestion (second and third years).
   - *c.* Nervous system and special senses (third year).
   - *d.* Reviews and Conferences.

5. Laboratory course in General Physiology.
6. Advanced laboratory courses (optional).
7. Research in Physiology.
8. Journal Club; one hour a week.

Every student must attain a certain standard in the laboratory exercises before he will be allowed to proceed to the University examinations in Physiology and Biochemistry.

Throughout the Session oral and, as may be necessary, written examinations will be held to ascertain the extent of the student's knowledge of Physiology, and the results of these, as well as his general work in the laboratory will be used to determine his position in the University Class Lists.

In the laboratory courses the students will be required to make good all loss through breakage or otherwise.

*Text-books:*—Manual of Physiology, G. N. Stewart; Physiology and Biochemistry in Modern Medicine, J. J. R. Macleod; Starling's or Howell's Physiologies; Bayliss' General Physiology; Luciani's Physiology (translated by F. Welby); Monographs in Physiology (edited by B. H. Starling). *Works of Reference:*—Other works important for consultation are Marshall's Physiology of Reproduction; Schäfer's Endocrine Organs; Text-Book of Physiology (edited by E. A. Schäfer); Recent and Further Advances in Physiology (edited by Leonard Hill); C. S. Sherrington, Mammalian Physiology.

Students are urged to become members of the Students' Medical Library from which they may borrow, for home reading, books and monographs bearing on the subject of Physiology.

## BIOCHEMISTRY.

*Professor of Biochemistry:* ANDREW HUNTER.

*Associate Professor of Biochemistry:* HARDOLPH WASTENEYS.

*Associate Professor of Zymology:* H. B. SPEAKMAN.

*Demonstrator in Biochemistry:* MISS J. MCFARLANE.

*Fellows:* R. W. I. URQUHART, N. S. CLARK, A. M. WYNNE, H. BORSOOK.

*Secretarial Assistant:* MISS M. DELAMERE.

The following are the Courses of Instruction in this department for students of Medicine.

### Second Year.

1. A general course of lectures in Biochemistry; two a week.
2. A general laboratory course in Biochemistry; six hours a week.

**Third Year.**

3. A course of advanced lectures on Biochemistry for Honour students; two a week.

4. An advanced laboratory course in Biochemistry for Honour students; six or more hours a week.

Every student must attain a certain standard in the laboratory exercises before he will be allowed to proceed to the University examinations in Biochemistry.

Throughout the Session oral and, as may be necessary, written examinations will be held to ascertain the extent of the student's knowledge of Biochemistry and the results of these as well as his general work in the laboratory, will be used to determine his position in the University Class Lists.

In the laboratory courses the students will be required to make good all loss through breakage or otherwise.

*Text-Books and Works of Reference:*

(*a*) *Elementary or General:*—Hammarsten, Text-book of Physiological Chemistry; Abderhalden-Hall, Text-book of Physiological Chemistry; Mathews, Text-book of Physiological Chemistry; Robertson, Principles of Biochemistry.

(*b*) *Advanced or Special:*—Monographs on Biochemistry, edited by Plimmer and Hopkins; Robertson, Physical Chemistry of the Proteins; Taylor, Digestion and Metabolism; Lusk, Science of Nutrition; Effront, Biochemical Catalysts in Life and Industry; Euler, General Chemistry of the Enzymes; Abderhalden, Biochemisches Handlexikon; Neuberg, Der Harn.

*Laboratory Handbooks:*

(*a*) *Elementary:*—Plimmer, Practical Organic and Biochemistry; Hawk, Practical Physiological Chemistry; Folin, Laboratory Manual of Biological Chemistry; Halliburton, Essentials of Chemical Physiology; Cole, Practical Physiological Chemistry.

(*b*) *Advanced:*—Abderhalden, Handbuch der biochemischen Arbeitsmethoden; Ellinger, Analyse des Harns.

## ANATOMY.

*Professor and Director of the Anatomical Department:* J. PLAYFAIR MCMURRICH.

*Associate Professor of Clinical Anatomy:* G. A. BINGHAM.

*Assistant Professor in Anatomy:* J. C. WATT.

*Demonstrators:* W. A. SCOTT, R. E. Gaby, F. W. WESTON, R. L. ROWNTREE, R. O. FISHER, H. B. VAN WYCK, A. S. LAWSON, E. E. SHOULDICE, K. G. MCKENZIE, G. W. CARLTON, I. R. SMITH, H. A. CATES, L. B. ROBERTSON, R. M. JANES, P. D. SPOHN, L. C. PALMER, E. A. MCCULLOCH, J. C. MAYNARD, L. A. PEQUEGNAT, V. F. STOCK.

*Secretarial Assistant*—MISS G. H. DOWSLEY.

### Second Year.

**Practical Work.**—During the Second Year each student is obliged to dissect thoroughly the various regions of the body, following the plan outlined in a "Guide to the Dissection of the Human Body". Demonstrators will be in attendance each day for the purpose of superintending the work and of giving instruction, and will hold frequent examinations with the object of testing the student's progress. Certificates of credit in Practical Anatomy will be granted only to those students whose work has been completed to the satisfaction of the instructors in charge.

The Laboratory will be open from 9 a.m. until 5 p.m. every week-day throughout the session, with the exception of Saturdays when it will be closed at 12 noon.

**Lectures.**—In connection with the laboratory work lectures will be given by members of the staff, reviewing the work that has been completed. The object of this course will be to supplement the work in the Laboratory by calling attention to the relations and significance of the parts that have been studied and by elucidating with the aid of diagrams and models the anatomy of difficult and important structures.

### Third Year.

**Lectures.**—During the Michaelmas Term a course of lectures will be given on the Anatomy of the Central Nervous System.

**Practical Work.**—In connection with the above course of lectures the class will be divided into small sections, to each of which a Demonstrator will be assigned, for the purpose of a practical study of the Anatomy of the Brain.

In addition, when opportunity offers, lectures and demonstrations will be given upon the anatomy of special regions and organs, special attention being given to the correlation of the structure and functional activities of the parts considered.

Opportunity will be afforded, when necessary, for the dissection of parts that were uncompleted in the practical course of the Second Year, or of which a further study seems advisable.

*Text-books:*—Piersol; Gray; Morris; Cunningham's Text-book; McMurrich's Development of the Human Body, Guide to the Dissection of the Human Body for the use of Students in the Anatomical Laboratory of the University of Toronto.

*Reference Text-books:*—Spalteholz, Hand-Atlas of Human Anatomy; Toldt's Atlas of Human Anatomy; Sobotta's Atlas and Text-book of Human Anatomy; Eycleshymer and Shoemaker, Cross-Section Anatomy; Quain's Anatomy; Barker's The Nervous System; Johnston, Nervous System of Vertebrates; Villiger, Brain and Spinal Cord; Herrick, Introduction to Neurology; Ranson, Anatomy of the Nervous System; Von Bardeleben's Handbuch der Anatomie; Rawlings, Landmarks; Treves, Applied Anatomy.

## PHARMACY AND PHARMACOLOGY; MATERIA MEDICA.

*Professor:* V. E. HENDERSON.

*Assistant Professor*—N. C. SHARPE.

*Instructors in Pharmacy:* J. A. MACDONALD, J. C. HALLAMORE, D. BIRKETT.

*Secretarial Assistant:* MISS JEAN DEAS.

### Third Year.

Two courses of laboratory work accompanied by lectures and laboratory talks are given.

**Practical Work.**—LABORATORY COURSE I. Experimental pharmacology. In this course the student obtains an opportunity to become familiar with representatives of the drug-stuffs composing the various pharmacological groups. The chief object of the course is to get the student into the habit of accurate observation of the effects produced by drugs and to be able to describe them in accurate pharmacological language. In consequence a great deal of attention is given to the note books kept by each student. The course is accompanied by many mammalian demonstrations. The tracings of all demonstrations are analysed by each student.

LABORATORY COURSE II. Practical Pharmacy. This course is very brief, consisting only of a few hours' work on the chemical and physical incompatibles and in dispensing several mixtures, pills and ointments, in order that the student may obtain such insight into dispensing as is necessary to enable him to write prescriptions intelligently.

Total of these two courses, 90 hours.

Arrangements have also been made with the Toronto General Hospital the Hospital for Sick Children and the Western Hospital, by which the students of this year will be drafted in turn to act as Assistants in the Hospital Dispensaries for a period of a week.

**Lectures.**—A course of lectures on general pharmacology (35 in all). This course is designed to supplement and extend the knowledge gained in the laboratory and from the prescribed text-book.

**Prescription Writing.**—Each student is expected to hand in answers to the problems in prescription writing announced each week. These are corrected and returned, and opportunity is given for the discussion of any difficulties, with the staff during laboratory hours. Informal talks are also given from time to time as needed.

*Text-books:*—Pharmacy and Materia Medica, Henderson; Pharmacology, Dixon.

*Reference Text-books:*—Pharmacology, Cushny, Sollmann, Bastedo, Greene; Prescription Writing:—Bennett, Medical and Pharmaceutical Latin; Eggleston, Prescription Writing.

## TOXICOLOGY.

*Professor of Pharmacology:* V. E. Henderson.

A course of ten lectures is given dealing with the pathology, pharmacology, symptomology and treatment of the more important poisons which are commonly the cause of either forensic or industrial cases of poisoning.

## MEDICINE

*Emeritus Professor of Medicine:* Alexander McPhedran.

*Professor of Medicine:* Duncan Graham.

*Associate Professor of Medicine:* William Goldie.

*Clinicians in Medicine:* R. G. Armour, G. F. Boyer, W. R. Campbell, A. H. Caulfeild, F. A. Clarkson, E. E. Cleaver, H. K. Detweiler, H. A. Dixon, J. H. Elliott, A. A. Fletcher, N. Gwyn, G. W. Howland, H. S. Hutchison, R. Jamieson, J. D. Loudon, A. G. McPhedran, J. H. McPhedran, W. F. McPhedran, A. J. Mackenzie, C. S. McVicar, F. S. Minns, L. Murray, W. Ogden, J. A. Oille, T. J. Page, H. C. Parsons, C. A. Rae, F. W. Rolph, D. King Smith, Chas. Sheard, Jr., G. S. Strathy, E. J. Trow, G. S. Young.

*Clinical Microscopy, Demonstrator:* G. W. Lougheed.

*Assistant Demonstrator:* A. B. Moffat.

*Secretarial Assistant:* Miss M. K. Harvie.

### Third Year.

*Lectures:*—During the Michaelmas term two lectures are given weekly on methods of physical examinations with the explanation and interpretation of physical signs. In the Easter term two lectures are given weekly on history taking, and methods of examination of the central nervous system, followed by an introduction to the study of Medicine dealing with the physiological aspects of disease.

*Clinics:*—Practical instruction in Clinical Medicine is given in the Hospital Wards and in the University Laboratories throughout the session. The Class is divided into small groups each of which is in charge of a clinician.

Instruction in the Clinics follows as closely as possible the work discussed in the lectures.

*Clinical Microscopy.*—Demonstrations and practical instruction are given in the microscopical examination of blood, urine, faeces, stomach contents, sputum, cerebrospinal fluid, transudates and exudates, together with the practical application of these examinations in the diagnosis of disease.

*Instruments:*—Students beginning Clinical work are strongly advised to supply themselves with the following instruments: Stethoscope, Tape Measure, Dermograph, Haemocytometer (Levy-Neubauer), Haemoglobinometer (Dare or Sahli), Thermometer, Head-mirror, Ophthalmoscope, Laryngoscope, Microscope with Condenser and Oil Immersion Lens.

Special arrangements have been made for obtaining these instruments.

*Text-books:*—Pathological Physiology, Hewlett; Physical Diagnosis, Cabot; Clinical Methods, Hutchison and Rainy; Clinical Diagnosis, Emerson; Medicine, Osler, Taylor.

### FOURTH YEAR.

*Lectures:*—In the Fourth Year a course of thirty lectures is given on the different types of disease dealing with the subject from the pathological physiological standpoint. This is supplemented by a course of sixteen lectures on Diseases of the Nervous System.

*Clinics:*—The students of the Fourth Year devote the greater part of their time available for Clinical Medicine to the Medical Wards, examining patients, taking histories and carrying out the Clinical Laboratory investigation of their cases under the direction of the Staff.

The Class is divided into small groups and Ward Clinics are given on the different types of disease.

Groups consisting of one-sixth of the Year attend clinical demonstrations of Infectious Diseases at the City Isolation Hospital and the Hospital for Sick Children once a week, for a period of ten weeks.

A weekly Clinic is held in the Hospital amphitheatre at which selected cases illustrating the different types of disease are presented.

*Clinical and Pathological Conference:*—Weekly Clinical and Pathological Conference will be held throughout the Easter session. Abstracts of the histories of the fatal cases of the week, with diagnosis made before the autopsy, are read. The specimens are then demonstrated, followed by a discussion of the case.

During the session, each student is required to prepare at least five complete records of medical cases. These records must be certified as satisfactory by the Clinician in Charge of the Clinic of which the student is a member.

### FIFTH YEAR.

During a period of ten weeks one-third of the Class devotes its whole time to Clinical Medicine. Each student is required to take charge of a number of patients in the Wards personally, recording the results of his Clinical and Laboratory investigations on the cases under his care and attend to the General Medical Clinic of the Out Patient Department twice a week and assist in the examination of cases.

Each group has one Ward Clinic daily and attends in rotation Special Clinics in the Out Patient Department on Diseases of the Skin, Nervous System, Tuberculosis and Syphilis.

Two theatre Clinics a week are given in the Hospital amphitheatre at which selected cases are presented.

A weekly Clinical Pathological Conference is held at which students are required to report the results of their Clinical examination on fatal cases under their care. This is followed by a demonstration of the autopsy specimens and a discussion of the Clinical and Pathological findings.

The students of the Fifth Year will receive special instruction in Physiotherapy. The value of massage, gymnastics, electricity, hydropathy, etc., in the treatment of medical cases will be demonstrated.

*Text Books*—Diseases of the Chest, Norris and Landis; Diseases of the Heart, Mackenzie; Diseases of the Heart and Aorta, Hirschfelder; Clinical Disorders of the Heart-beat, Lewis; The Soldiers Heart and the Effort Syndrome, Lewis; Diseases of the Digestive Canal, Cohnheim; Diseases of the Nervous System, Purvis Stewart, Diseases of the Skin, Sequeira, Hartzell, Pussey; Pulmonary Tuberculosis, Fishberg; Diagnostics and Treatment of Tropical Diseases", Stitt.

*Reference Books:*—A System of Medicine, XI. Vols., Allbutt and Rolleston; Modern Medicine, V. Vols., Osler and McCrae; Monographic Medicine, VI. Vols., Barker; Oxford Loose Leaf Medicine, Christian and MacKenzie; Nelson's Loose Leaf Medicine; Internal Medicine", III. Vols., Wilson; Diseases of the Arteries and Angina Pectoris, II. Vols., Allbutt; Symptoms of Visceral Disease, Pottenger; Diseases of the Nervous System, Jeliffe and White.

## PAEDIATRICS

*Associate Professor of Medicine in Charge of Paediatrics:* Alan Brown

*Clinicians in Medicine in the Sub-department of Paediatrics:* Alan W. Canfield, Arthur M. Goulding, Beverley Hannah, Edward A. Morgan, George R. Pirie, George E. Smith.

*Chemist to the Sub-department of Paediatrics:* Angelia M. Courtney.

*Assistant Chemist:* Ida F. MacLachlan.

### Fourth Year.

*Clinical Lectures:*—The students of the Fourth Year will devote most of their time to learning the essential principles in paediatrics, and the difference in the manifestation of disease between adult and child. A series of thirty-two Clinical Lectures will be given, illustrated by Plates, Lantern Slides and Morbid Specimens; also by the presentation of patients

when the nature of the subject under discussion makes it desirable. The subjects included in these Clinical Lectures are Physiology and Pathology of digestion in infants; percentage and caloric method of feeding; classification of digestive disturbances; deficiency diseases of childhood; congenital and acquired cardiac disease; tuberculosis; syphilis; nephritis; acute conditions arising in the new born infant and child welfare.

FIFTH YEAR.

In the Fifth Year time will be devoted wholly to Clinics—Bedside and Out-patient. In addition to this each student is required to spend seven hours in one of the child welfare clinics, conducted by the Department of Child Hygiene. In these Clinics, he is given an idea of the normal feeding of infants and children. During the Fifth Year Course three hours' practical work is required of each student in the milk modifying laboratory of the Children's Hospital, where he is taught the home modification of milk formulae.

*Fellowships:*—The Sub-Department of Paediatrics is prepared to offer two full-time Fellowships in Diseases of Children, to graduate students. These Fellowships will include a certain amount of clinical work as well as laboratory investigation, thus serving to keep the research worker in touch with clinical problems and further his interest in Clinical Paediatrics.

*Text-books:*—(1) Diseases of Infancy and Childhood, Holt; (2) Infant Feeding, Grulee; (3) Diseases of Nutrition and Infant Feeding, Morse and Talbot.

*Reference Books:*—(1) Diseases of Children, Garrod, Batten and Thursfield; (2) Common Disorders and Diseases of Childhood, Still; (3) System of Paediatrics (3 volumes), Dunn.

## THERAPEUTICS.

*Professor of Therapeutics:* R. D. RUDOLF.

*Demonstrator in Anaesthesia:* S. JOHNSTON.

*Demonstrators in Therapeutics:* C. E. C. COLE.
S. R. D. HEWITT, W. V. WATSON,

*Assistants in Anaesthesia:* T. R. HANLEY, M. D. MCKICHAN, W. H. CARVETH, C. H. ROBSON, J. J. HURLEY, T. D. ARCHIBALD.

Therapeutics is taught in the two final years, and is made as practical as possible.

### Fourth Year.

**Lectures.**—In the Fourth Year a course of lectures is given in which the general principles of the subject are considered in a systematic way, emphasis being laid upon the fact that Therapeutics includes far more than the employment of drugs. The whole matter is considered more from the standpoint of disease than from that of drugs and other remedies. Diet, specific therapy, hydrotherapy, the various forms of physio-therapy, and

climate are also dealt with. Once a week one-third of the class are given a practical demonstration at the hospital of methods of therapy, patients being freely used to illustrate the points.

### Fifth Year.

**Clinical Work.**—In the final year the students are taken in groups at the General Hospital and the different methods of dealing with diseased conditions are demonstrated, generally upon actual patients. Here also prescription writing is practised. These demonstrations are quite informal and are conducted thrice a week in the medical theatre at the hospital and in the wards.

Students of the Fourth and Fifth years will receive individual practical instruction in the administration of anaesthetics.

*Text-book:*—Hare's Practical Therapeutics; Rudolf's Medical Treatment.

*Reference Text-books:*—Hutchinson & Collier's Index of Treatment, Lauder Brunton, Action of Medicines; Friedenwald and Rühran, Diet in Health and Disease; Wood, Therapeutics, its principles and practice; Potter, Ortner's Treatment of Internal Diseases; Cushny, Pharmacology and Therapeutics; Shoemaker, Materia Medica and Therapeutics; Hare, System of Therapeutics; Forchheimer's General and Special Treatment of Diseases; Forchheimer's Therapeusis of Internal Diseases; Sajous, Cyclopaedia of Practical Medicine; Da Costa, Medical Treatment.

## SURGERY AND CLINICAL SURGERY.

*Professor of Surgery:*

*Professor of Clinical Surgery:* A. PRIMROSE.

*Associate Professor of Clinical Surgery and Clinical Anatomy:* G. A. BINGHAM

*Associate Professors of Clinical Surgery:* H. A. BRUCE, F. N. G. STARR, P. W. H. MCKEOWN, S. M. HAY.

*Associate Professor of Clinical Surgery and in Charge of Orthopaedics:* C. L. STARR.

*Associates in Surgery and Clinical Surgery:* C. B. SHUTTLEWORTH, J. F. UREN, G. SILVERTHORN, E. S. RYERSON, W. A. SCOTT, W. W. JONES, W. E. GALLIE.

*Demonstrators in Clinical Surgery:* A. B. WRIGHT, M. H. V. CAMERON, N. S. SHENSTONE, G. E. WILSON, R. E. GABY, J. A. ROBERTS, A. S. MOORHEAD, A. H. PERFECT, D. E. ROBERTSON, OLIVER MABEE, F. A. CLELAND, J. A. MCCOLLUM.

*Assistants in Clinical Surgery:* ROBIN PEARSE, B. Z. MILNER, R. R. GRAHAM, L. B. ROBERTSON, C. H. HAIR, H. W. BAKER, C. B. PARKER, H. E. CLUTTERBUCK, G. M. DALE, G. C. MCINTYRE.

*Temporary Assistants:* H. HARRISON, J. S. SIMPSON, T. A. ROBINSON, C. H. GILMOUR, R. H. THOMAS F. E. WATTS, W. A. COSTAIN, A. S. LAWSON, A. B. LE MESURIER, E. C. BEER, J. H. WOOD, R. I. HARRIS, E. E. SHOULDICE, J. C. MCCLELLAND, R. A. MCCOMB.

### THIRD YEAR SURGERY.

1. *Lectures.*—A course consisting of an introduction to the general principles of surgery.

2. *Clinical Work.*

(*a*) Clinical study in the Out-patient Department or the Ward. Each clinical class will be taught the surgical conditions following, with History Taking, Surgical Landmarks, and the methods of making physical examinations as applied to them: Inflammation; Suppuration and Abscess; Surgical conditions of the skin and subcutaneous tissues; Bursitis; Tenosynovitis; Surgical affections of the Lymph Glands; Wounds; Haemorrhage and Thrombosis; Sepsis, infection and infectious diseases; Ulceration; Gangrene; the general features of Fractures, Dislocations and Sprains; Hernia; Bandaging.

These conditions shall constitute the subjects of examination.

(*b*) A course of surgically applied clinical anatomy. This course will be conducted in the clinical theatre of the Toronto General Hospital. Regional anatomy will be studied on and illustrated by patients suffering

from surgical conditions in different parts of the body. The anatomy of the different regions will be demonstrated by diagrams upon the blackboard, by frozen sections and by the use of the lantern.

(*c*) A series of demonstrations in surgical pathology. These demonstrations will be conducted conjointly by the clinicians and the pathologist and will consist of elementary demonstrations of the gross pathology, the histology, the bacteriology and the analyses of the blood, urine, etc., including not only microscopic findings, but the pathological chemistry necessary for complete clinical investigation. Individual types will thus be presented for the purpose of illustrating the steps necessary in the clinical study of surgical cases as indicated in the gross pathology together with the microscopic and chemical findings.

### Fourth Year Surgery.

1. *Lectures.*—Thirty lectures are given throughout the session on some of the general principles of surgery. Short courses are included on the special surgery of certain regions of the body, *e.g.*, the abdomen; the head and neck; the extremities, etc., the courses varying from year to year.

2 *Clinical Work.*—(*a*) Clinical work in the wards will be conducted according to the time-table provided. During the year the student is taught to make a complete examination of surgical cases in order that he may be able to arrive at a diagnosis and to learn the appropriate scientific treatment. The following conditions will be studied and will be, as far as possible, the subjects of the clinics: (1) Injuries and diseases of the bones and joints; (2) the surgery of the neck, acute and chronic inflammation primary and secondary new growths, diseases of the thyroid gland; (3) surgery of the thorax, empyema, tumours of the breast; (4) surgery of the abdomen, appendicitis, cholecystitis, ulcer of the stomach and duodenum, cancer of the stomach, general peritonitis, tuberculous peritonitis, gall stones, acute and chronic intestinal obstruction, abdominal injuries, haemorrhoids, fistula in ano, anal fissure; (5) the surgery of the kidney, stone, pyonephrosis; (6) the surgery of the scrotum and testes, actue and chronic inflammation, tumours, hydrocele, varicocele; (7) the surgery of the mouth, ulcers, tumours of the lip, tongue and gum, tumours of the upper and lower jaw; (8) diseases and injuries of blood and lymph-vascular systems.

A special course in orthopaedic surgery will be given in the Hospital for Sick Children.

(*b*) Each student will be required to take three complete histories during the year. Each history is to be written in accordance with the standard of the American College of Surgeons. This work will be directed by the clinical clerk under the authority of the house-surgeon. One history is to be left at the secretary's office at the end of each trimester. Each

history after being initialed by the clinician is to be examined by the Professor of Clinical Surgery.

(*c*) A course of surgically applied clinical anatomy.

This course will be conducted in the clinical theatre of the Toronto General Hospital. Regional anatomy will be studied on and illustrated by patients suffering from surgical conditions in different parts of the body. The anatomy of the different regions will be demonstrated by diagrams upon the blackboard, by frozen sections and by the use of the lantern.

(*d*) A series of demonstrations in surgical pathology.

These demonstrations will be conducted conjointly by the clinicians and the representatives of the Department of Pathology and will consist of demonstrations of the gross pathology, the histology, the bacteriology and the analyses of the blood, urine, etc., including not only microscopic findings, but the pathological chemistry necessary for complete clinical investigation. The demonstrations will illustrate the steps necessary in clinical study, and the appropriate treatment, based upon the gross pathology, together with the microscopic and chemical findings.

### FIFTH YEAR SURGERY.

The work of the Fifth Year in Surgery is entirely clinical, including one weekly mid-day clinical lecture.

*Clinical Work.*

(*a*) Two clinics will be given in each week to the students of this year. The clinical classes in each Hospital will consist of the students assigned to the surgical services in the various Hospitals.

(*b*) The students in this year are assigned at the Secretary's Office to the surgical services at the Toronto General, St. Michael's, Western and Hospital for Sick Children, the number of men to each service depending on the number of students in the class. These men will be required to act as clinical clerks and to perform the two following groups of duties, the students alternating at the end of each five weeks.

GROUP 1.

(1) To act as assistants to the House Surgeon and to be prepared to carry out his instructions at all times.

(2) To take the history of each patient within twenty-four hours of his admission to the wards. To record the physical examination and to do and record the necessary laboratory work.

(3) To attend all the operations performed on his service, and to be prepared to act as assistant.

(4) To do whatever dressings are detailed to him by the House Surgeon.

(5) In the event of an autopsy on any patient who has been under his charge, to assist and make the necessary records.

GROUP 2.

(6) To work in the Out-patient Department and Emergency Departments.

(7) That he be required to attend the clinics given to the Third and Fourth Years on his service, and to be prepared to give a detailed account of the cases being presented, to the clinician, and if necessary, under the direction of the clinician, to act as demonstrator. Further, that he shall be required to provide and prepare the material for each clinic to the Third and Fourth Years.

(8) That during his term of service he shall be prepared when directed to do so, to assist in giving and to give anaesthetics to the patients on his service under the supervision of the anaesthetist.

(9) That he be responsible for keeping a record of the clinics given on his service and the passing of this record on to the next clinician when the classes change.

(*c*) Once a week a conference will be held in the Pathological Department, when the Professor of Pathology and the members of the Clinical teaching staff will meet to discuss the Pathological material which has been sent from the clinic to the Pathological Department during the preceding week. These conferences between the Pathologist and the Clinician will form a very important part of the tuition of the student in Surgery in the Fifth Year.

The students of the Fifth Year will receive special instruction in physiotherapy. The value of massage, gymnastics, electricity, hydropathy, etc., in the treatment of surgical cases will be demonstrated.

*Text-books:*—Rose & Carless; Spencer and Gask.; Da Costa; F. T. Stewart's "Manual"; Foote, Minor Surgery; Russell Howard; Surgical Diagnosis, Gould; A Synopsis of Surgery, Ernest W. Hey Groves; Surgical Materials and their Uses, Maclennan.

*Reference Text-books:*—

*Surgery:*—Principles of, Choyce, Thomson and Miles; Oxford Loose Leaf Surgery, Burghard and Kanavel; Surgical Treatment, Cheyne & Burghard; Binnie, Kocher, Alexis Thomson; Genito-Urinary Surgery, Thomas Walker; Bonney; Orthopædic Surgery, Bradford & Lovett, Whitman; Fractures and Dislocations, Stinson, Scudder; Diseases of the Rectum and Anus, Gant, 3rd ed.; Surgery of the Chest, Paget; Lungs, Fowler & Godlee; Preparatory and after treatment in Operative Cases, Haubold; Surgery of the Brain, Rawlings; Clinical Surgical Diagnosis, de Quervain (trans.).

## OBSTETRICS AND GYNAECOLOGY.

*Professor of Obstetrics and Gynaecology:* B. P. WATSON.

*Associate Professor of Obstetrics:* K. C. MCILWRAITH.

*Associate Professor of Gynaecology:* F. W. MARLOW.

*Associate Professor of Obstetrics and Gynaecology:* W. B. HENDRY.

*Associate in Obstetrics:* J. A. KINNEAR.

*Demonstrators in Obstetrics and Gynaecology:* J. G. GALLIE, W. A. SCOTT R. W. WESLEY, N. D. FRAWLEY, W. W. LAILEY.

### Fourth Year.

**Lectures.**—Obstetrics:—A course of lectures illustrated by diagrams, lantern slides and models will be given. A syllabus indicating the scope of the work is provided. Stated generally, the course consists of two parts. The first part deals with the anatomy and physiology of the female organs of reproduction; the anatomy, physiology and management of normal pregnancy, labour and the puerperium, and the care of the infant. The second part is concerned with abnormal conditions arising during pregnancy, labour, and the puerperium, and with maladies of the infant.

Practical demonstrations on anatomy, the mechanism of labour, the use of obstetrical instruments, etc., will be given to small sections of students.

*Gynaecology:*—A course of lectures illustrated by pathological specimens, diagrams and lantern slides will be given. A syllabus is provided. The lesions of each organ are considered in detail and the methods of gynaecological diagnosis and treatment indicated.

**Clinical Work.**—Obstetrics:—The student attends clinics at the Toronto General Hospital or at St. Michael's Hospital. At these clinics practical instruction is given in the examination of patients, the diagnosis of pregnancy, the management of labour and the puerperium and the care of the infant.

*Gynaecology:*—Clinical instruction is given at the Toronto General Hospital, and the Western Hospital, in the method of case taking, the examination of patients, the use of instruments, and in the conduct of operations.

*Pathological Demonstrations:*—The naked eye and microscopic pathology of the common obstetrical and gynaecological lesions will be demonstrated in the museum.

## Fifth Year.

*Obstetrics.*—The student attends the Obstetrical Hospital for a period of five weeks during which time he is given an opportunity of seeing all the work of the hospital, and of assisting in the management and treatment of cases. He is also required to attend patients in their own homes and to perform other duties in connection with the Out-Patient Service. Clinical lectures are given once a week on interesting and abnormal cases

*Gynaecology.*—Clinical instruction in the examination and diagnosis of gynaecological cases is given to small sections of students. Each student is required to act as clinical clerk to the cases assigned him, to be present at any operations required, and to follow the after-treatment. Operations will be performed on stated days and at these the members of the clinic may be present.

*Pathological Demonstrations:*—A series of demonstrations in continuity with those held during the fourth year will be given in the museum.

*Text-books:*—

*Obstetrics:*—Eden; Berry Hart; Hirst; Edgar; Whitridge Williams; Jellett; Galabin; De Lee.

*Gynaecology:*—Barbour & Watson; Graves; Dudley; Gilliam; Crossen; Penrose; Eden & Lockyer; Ashton; Montgomery.

*Reference Text-books:*—

*Obstetrics:*—Bumm; Winckel; Munro Kerr, Operative Obstetrics; Davis, Operative Obstetrics; Lea, Puerperal Infection; Ballantyne, Antenatal Pathology.

*Gynaecology.*—Kelly, Operative Gynaecology; Berkeley & Bonney, Gynaecological Surgery; Winter & Ruge, Gynaecological Pathology, translated by Clark; Cullen, Cancer of the Uterus.

## OPHTHALMOLOGY

*Professor:* J. M. MACCALLUM.

*Demonstrators:* D. N. MACLENNAN, W. H. LOWRY, M. LYON, W. W. WRIGHT, F. A. AYLESWORTH, C. E. HILL.

### Fourth Year.

Instruction will be given by quizzes, recitations or lectures. The class will be divided into small sections. In each section the applied anatomy of the eye, orbit and surrounding structures will be considered, followed by instruction in the use of the ophthalmoscope, retinoscope and other instruments of diagnosis. The methods of external examination of the eye, the use of the test type, test lenses and the principles of refraction will be thoroughly dealt with.

### Fifth Year.

Instruction will be wholly clinical and practical, and will include Ophthalmoscopy and its relations to general medicine, advanced refraction. Each student will be required to determine the refraction of patients in the Out-Patient Clinic and must, for this purpose, supply himself with an ophthalmoscope and a retinoscope. When possible the students will be shown the more usual operations on the eye.

There will be a short course of didactic lectures.

*Ophthalmology:—*

*Text-books:*—J. Edward Jackson; May; Mayou; Nettleship; Parker; Parsons; Swanzy; Veasey; Wood & Woodruff; Sym; Marshall.

*Works of Reference:*—de Schweinitz; Weeks; Fuchs; Posey & Wright; Theobald; Ball.

## OTO-LARYNGOLOGY.

*Professor:* D. J. GIBB WISHART.

*Assistant Professors:* GILBERT ROYCE, P. G. GOLDSMITH.

*Associate:* GEORGE M. BIGGS.

*Clinicians:* EDMUND BOYD, J. C. CALHOUN, C. W. L. CLARK, ANGUS CAMBPBELL, W. G. MACKECHNIE, J. SPROULE-MANSON.

*Pathologist:*

*Assistant:* A. A. HALLIDAY.

The course of instruction in oto-laryngology is carried on in the Toronto General Hospital, where the facilities placed at the disposal of the students are unusually complete. There is an indoor service of twenty beds, and in the outdoor, in addition to the large clinic, where the fifth year students receive instruction, there is a room set aside for the fourth year classes, with eight cubicles for examination purposes.

Clinics will also be provided at the Hospital for Sick Children which presents unusual opportunities for study. There is an indoor service which varies from ten to fifteen beds. In the outdoor, the clinics are very largely attended, a feature of this being the establishment of separate clinics for ear cases.

This course is carried on during both the fourth and fifth years of the curriculum.

### Fourth Year.

In the fourth year the students will receive instruction in:

(1) The normal anatomy of the ear, nose and throat.

(2) The methods of using the head mirror and the various instruments required in examining the ear, nose and throat.

(3) The ordinary tests for hearing.

(4) The recognition of the ear, nose and throat, in their normal conditions, as exemplified by clinical material.

At the close of the session a clinical examination will be held.

### Fifth Year.

In the fifth year the students will be divided into small groups for the purpose of studying the commoner pathological conditions affecting the various organs, and as much clinical material as possible will be utilized for the purposes of personal observation.

A series of lectures will be delivered upon the various diseases of the ear, nose and throat, ordinarily met with by the general practitioner.

At the final (fifth year) examination the test will be clinical.

*Text-books:*—Porter, Diseases of the Throat, Nose and Ear, 3rd ed.; Lake, Diseases of the Ear; Parker, Throat and Nose; Gray, Ear; Coolidge, Diseases of the Nose and Throat.

*For Reference*:—McKenzie, Diseases of Throat, Nose and Ear; St. Clair Thompson, Throat and Nose; Milligan and Wingrave; Diseases of the Ear, Lambert Lack, Throat and Nose; Watson Williams, Throat and Nose; Phillips, Throat, Nose and Ear.

## PSYCHIATRY.

*Professor of Psychiatry:* C. K. CLARKE.
*Extra-Mural Professor of Psychiatry:* N. H. BEEMER.
*Associate of Psychiatry:* HARVEY CLARE.
*Special Lecturer in Psychology:* E. A. BOTT.
*Demonstrators* F. S. VROOMAN, D. R. FLETCHER.

### Fourth Year.

**Lectures.**—A series of didactic lectures is given, outlining some of the more important psychoses.

### Fifth Year.

**Clinical Work.**—A clinical course will be given. The student will be afforded opportunity to obtain a practical knowledge of psychiatry, and to study the laboratory and clinical methods employed in the diagnosis and treatment of various forms of insanity.

*Text-books:*—Clinical Psychiatry, Diefendorf; Psychiatric Neurological Examination Methods, by Wimmer Hoisholt; Mental Diseases, by Walter Von Gulick; Dementia Praecox and Paraphrenia, by Emil Kraepelin.

## PATHOLOGY.

*Professor of Pathology and Bacteriology and Curator of the Museum and Laboratories:* J. J. MACKENZIE.
*Assistant Professor of Bacteriology:* H. B. MAITLAND.
*Demonstrator of Pathology and Assistant Curator of the Pathological Museum:* W. L. ROBINSON.
*Demonstrators of Pathology:* I. H. ERB, A. B. LEMESURIER, G. F. LAUGHLIN, G. R. PHILP, A. MCKAY.
*Fellows in Pathology:* G. C. CAMERON, W. P. WARNER.

The courses of instruction are as follows:—

### Second Year.

Students receive a course of lectures and practical laboratory exercises during the Easter Term in general Bacteriology, including media making, staining and cultivation of pathogenic micro-organisms, the practical isolation and identification of the most important bacteria pathogenic to man.

### Third Year.

**Lectures.**—1. A course of lectures in General Pathology is given during the Michaelmas and Easter Terms.

**Practical Work.**—2. A laboratory course in Pathological Histology is held three afternoons a week during both terms, illustrating general pathological conditions, including inflammation (acute and chronic) repair, tumours, etc.

3. A practical laboratory class in haematology and clinical microscopy.

### Fourth Year.

**Lectures.**—1. A course of didactic lectures is delivered upon selected chapters of special pathology.

**Practical Work.**—2. A laboratory course in Pathological Histology takes place four afternoons a week during the Michaelmas Term. The work taken up in this class illustrates the special pathology of the organs. Alternating with this class are a series of Museum Demonstrations arranged to illustrate the course in Pathological Histology.

3. Throughout the Session autopsies are held at the three Hospitals which students are required to attend and take full notes. On the autopsies they have witnessed they are subsequently examined.

4. Once a week during the Easter Term a Clinical conference on autopsy material is held at the General Hospital.

### Fifth Year.

1. The routine work for all students of the Fifth Year will consist of attendance and assistance at autopsies. Upon such cases as the students have studied in the wards full bacteriological and histological studies will be required.

2. A weekly conference in autopsy material will be held for the whole class.

3. Advanced classes will be held for students who have Honour standing, and for such other students whose work is of such a character as to permit them to do elective work.

An advanced laboratory class in surgical pathology may be arranged for similar students who can fulfil the same conditions.

*Text-books:—*

*Pathology:*—Adami, Pathology (General), vol. I.; (Special), vol. II.; Adami & McCrae, Text-book of Pathology; Delafield & Prudden, 11th ed.; MacCallum, A Text-book of Pathology; Mallory, Text-book of Pathological Histology; Pembrey & Ritchie, General Pathology.

*Bacteriology:*—Hiss and Zinsser; Muir and Ritchie; Park.

## PATHOLOGICAL CHEMISTRY.

*Professor of Pathological Chemistry:* V. J. HARDING.
*Lecturer in Pathological Chemistry:*
*Demonstrators of Pathological Chemistry:* D. H. BODDINGTON, P. E. FAED.
*Fellow:* O. GAEBLER.

### Third Year.

**Practical Work.**—Students receive practical instruction in the chemical methods employed in the examination of excreta, secretions, organs and body fluids, with special reference to the study and diagnosis of disease.

As occasion requires, the laboratory exercises are coordinated and supplemented by demonstrations and lectures.

The student will not be permitted to proceed to the University examination unless he has satisfactorily performed all the work of the class, and has paid for any apparatus he may have lost, damaged, or destroyed.

### Fourth Year.

**Lectures.**—A course of lectures, extending throughout the year, is given on general disorders of the chemical processes of the body.

**Clinical Laboratory.**—To each student of the Fourth and Fifth years there is assigned, in the Department of Pathological Chemistry, a locker with apparatus and reagents, which he is expected to utilize in the conduct of all chemical examinations necessary to the proper study of the cases under his charge. Each Fourth Year student shall carry out in the laboratory at least six complete urine analyses, corresponding to the complete medical records demanded by the Clinician in charge of the Clinic of which he is a member. Such analyses shall be recorded both in the department of Pathological Chemistry and the department of Medicine. For the guidance of the student in such work an instructor is in regular attendance at a special hour each day. Occasional demonstrations will be given each trimester on the findings on ward cases representing different types of metabolic disturbance.

### Fifth Year.

In addition to the routine clinical laboratory work, an advanced laboratory course is offered for students whose record is such as to permit them to do elective work. At the end of the Fifth year the student is required in surrendering his locker, to make good all loss of apparatus by breakage or otherwise. Until he has done so, he will not be permitted to sit for the final examinations.

*Text-books:*—Hawk, Practical Physiological Chemistry; Mathews, Physiological Chemistry; Wells, Chemical Pathology.

*Reference Books:*—Lusk, Science of Nutrition; Von Fürth (trans. Smith), Chemistry of Metabolism.

## HYGIENE AND PREVENTIVE MEDICINE.

*Professor:* J. G. FitzGerald.
*Assistant Professor:* R. D. Defries.
*Lecturer:* D. T. Fraser.
*Demonstrator in Industrial Hygiene:* J. G. Cunningham.
*Demonstrator in Sanitary Chemistry:* H. M. Lancaster.
*Demonstrator in Hygiene:* P. J. Moloney.

The Department of Hygiene and Preventive Medicine provides a course of lectures dealing with the problems of Preventive Medicine, Hygiene and Sanitation, for students in the Fourth Year in the Faculty of Medicine.

Lecture courses are provided also in Hygiene and Sanitation for students in the Faculties of Applied Science, Household Science and the Departments of Public Health Nursing and Social Service.

Laboratory and didactic courses of instruction are given to students in the Faculty of Applied Science who have elected the Sanitary and Highways option. In addition a series of lectures on Hygiene and Sanitation is delivered during the Winter Term to the Pupil Nurses of the Toronto Chapter of the Canadian Association of Nursing Education.

A course of instruction for graduates in Medicine leading to the Diploma in Public Health was instituted in 1904. Details of the curriculum leading to the Diploma in Public Health will be found on page 51.

### Industrial Hygiene.

A course of instruction in Industrial Hygiene for graduates in Medicine is available for those wishing to undertake work in this Branch of Preventive Medicine.

Further details of the course may be obtained on application to the Head of the Department.

Facilities for Research in Preventive Medicine, Hygiene and Public Health (Immunity, Serology and Bacteriology) are provided in the Research Division of the Connaught Antitoxin Laboratories, for graduates in Medicine and other suitably qualified candidates desirous of prosecuting such studies.

*Text-books:*—Rosenau, Preventive Medicine and Hygiene; Park, Public Health and Hygiene; Overton & Denno, The Health Officer; Prescott & Winslow, Elements of Water Bacteriology; American Public Health Association, Standard Methods of Water Analysis; Egbert, Hygiene and Sanitation.

*Reference Books:*—Kolmer, Infection, Immunity and Specific Therapy; Ledingham & Arkwright, The Carrier Problem of Infectious Diseases; Whipple, Microscopy of Drinking Water; Chandler, Animal Parasites and Human Disease; Mock, Industrial Medicine and Surgery.

## MEDICAL JURISPRUDENCE.

*Professor:* G. SILVERTHORN.

### Fourth Year.

**Lectures.**—About eighteen lectures and class-room demonstrations will be given. These will be illustrated as required by lantern slides and by specimens from the Pathological Museum or from private collections.

The lecture course will embrace *inter alia* a discussion of:—Legal Criminal procedures and the relation of Medical men thereto. Medical evidence, documentary and oral, ordinary and expert. Personal identity of the living and of the dead. Thanatology: The reality of death; *post mortem* changes, autopsies and reports. Causes producing deaths by violence such as the various forms of asphyxia, heat, cold, electricity, etc. Wounds in their medico-legal relations. Blood stains and the examination of blood. Medico-legal aspects of the sexual functions, impotency, sterility and legitimacy. Pregnancy, abortion and infanticide. Rape and allied offences against chastity. Civil and criminal malpractice.

*Text-books:*—Glaister, Reese, Emerson, Draper; Buchanan's Text-book of Forensic Medicine and Toxicology.

*Reference Text-books:*—Taylor's Principles; Whitthaus and Becker; Peterson and Haines; Dixon Mann; Cattell's *Post Mortem Pathology*; Greene's Life Insurance; Atkinson's Law in Medical Practice; Cathell's The Physician Himself; Brother's Medical Jurisprudence; Wadsworth's Post Mortem Examinations.

## RADIOLOGY.

Associate: G. E. RICHARDS.

### Fourth Year.

A series of ten lectures will be given dealing with the principles underlying the use of X-rays and radium as therapeutic agents, and the practical application of these in the treatment of disease.

### Fifth Year.

Twenty lectures and demonstrations are given. In this course the use of X-ray methods in the diagnosis of diseases of the Gastro-intestinal tract, the chest, and the skeletal system will be fully covered, and will be illustrated by plates and lantern slides. It is also proposed to make demonstrations to small groups in the use of the fluoroscope.

## LECTURES IN DENTISTRY.

The Faculty have arranged for a course of lectures to be delivered during the Session, on the application of Dentistry to Medicine. The instruction will be given by a man properly qualified for the purpose and will be delivered to the students of the final year. The course will be obligatory.

## THE MEDICAL BUILDING.

The Medical Building is situated between the University Library and the anatomical wing of the Biological Department.

It is three storeys in height in front, with an additional storey and sub-basement in the wings, which extend eastward. Two large lecture rooms are provided which flank the main building; the larger has accommodation for about three hundred and fifty students; the smaller for about two hundred students.

In the south wing, in what may be called the basement storey, are situated lavatories, recreation rooms and reading rooms for the students; in the same storey in the north wing is placed the Antitoxin laboratories.

The three main floors of the building are arranged upon what has been called the unit-system, a unit-room being thirty feet long by twenty-three feet deep, lighted on its long face by large windows.

These rooms may be united so as to form large laboratories or may be cut in two where it is necessary to have smaller rooms.

The south wing and the main portion of the building are occupied by the Department of Physiology and Biochemistry whilst the north wing accommodates the department of Hygiene.

On the ground floor in the main portion are situated in front the Secretary's office, a large faculty room, a lavatory, and a library.

In the north wing in this floor are placed a chart and preparation room behind the lecture theatre, and on the third floor units are occupied by the Department of Pharmacology.

As will be seen from the above description, a series of laboratories and lecture theatres is provided on the University grounds where the most ample facilities are afforded for both the practical and didactic instruction of students.

As heretofore, lectures and demonstrations will be given in the east wing of the Biological building in Biology and in the west wing in Anatomy; in the Chemical Laboratories in Chemistry and in the Physics building in Physics. It is impossible to provide more complete and efficient accommodation for the teaching of scientific medicine than that which exists in the University of Toronto to-day.

## THE LIBRARY.

The University Library is contained in a building of its own, situated on the east side of the campus that lies to the south of the Main Building. All students who have paid a library fee to the Bursar of the University are entitled to the privileges of the Library. Besides Reading Rooms the building contains Departmental Studies, which may be used as study-rooms by honour students in the various branches in which the Professors

hold seminary courses, and private studies, intended for members of the Faculty or advanced students engaged in research work. The Library is opened at 8.45 every morning and remains open until 5.15 in the afternoon (6 p.m. during the second term). Books in ordinary use may not be taken out of the building during the daytime, but are lent for the night shortly before the hour of closing, to be returned the following morning before 10 o'clock. Books not in general demand may, on special application, be borrowed for a longer period. Failure to return a borrowed book at the proper time and other breaches of the regulations are punishable by fine or suspension from the privileges of the Library.

## THE PATHOLOGICAL BUILDING.

This building is situated on University Avenue and connected by a covered corridor with the Out-patient Department and so with the rest of the Toronto General Hospital. On the basement, or ground floor, are the Pathological Museum, lecture room and autopsy room as well as students' coat room and lavatories. On the first floor are rooms for the Hospital Pathologist and the routine Hospital pathology and class rooms for pathological histology and bacteriology. On the second floor the Professor of Pathology and Lecturer in Bacteriology have their private laboratories, and there are rooms for the Departmental Library and special classes in Pathology, in addition to a set of laboratories for pathological chemistry for the use of students in the Fourth and Fifth Years. On the third floor are the class rooms for systematic instruction in pathological chemistry and the laboratories for the staff in this Department, including balance, polarimeter, combustion and experimental rooms. Above this in the roof is the accommodation for animals.

Connected with the autopsy room is a cold storage plant with accommodation for twelve cadavers, and by means of a brine circulation, refrigerators in the staff laboratories on the first, second and third floors are kept cold. For many of the laboratories too there is a compressed air service.

The lecture room has seats for about 150 students and is connected with a room for preparing experimental demonstrations.

The museum is planned especially for the instruction of students: a small catalogue room and a preparation room are connected with it.

The class rooms are divided into small units and are exceptionally well lighted.

Lockers are provided for more than 300 students in the laboratories for pathological chemistry so that every student working in the Hospital may have his own place and apparatus.

The building is of fire-proof construction throughout.

## ROYAL ONTARIO MUSEUM.

Archaeology, Geology, Mineralogy, Palaeontology, Zoology.

Students of the University in all departments are recommended to avail themselves of the privileges of the Museum, which, although under separate control, is intimately connected with the work of the University.

The Museum is open on all week days from 10 a.m. to 5 p.m. Sundays 2 p.m. to 5 p.m. The admission is free to the public on Tuesday, Thursday, Saturday and Sunday. On other days an admission fee of fifteen cents is charged.

By a resolution of the Board of Trustees all regular students of the University may be admitted free on all days of the week by presenting their card of registration.

## TORONTO GENERAL HOSPITAL.

The Hospital has more than seven hundred beds, and during the last year admitted to its wards 10,722 patients.

The Out-door Department, which has been elaborately equipped with especial attention to the requirements of teaching as well as treatment, is designed to receive and care for several hundred patients each day, if necessity demands. Last year 53,521 out-patients were treated.

The Hospital is for the treatment of acute medical and surgical diseases, and the members of the staff are, in nearly every instance, drawn from the University Medical Faculty.

The Hospital Block contains ten acres, and the group of buildings includes almost everything necessary to enable a student to acquire a practical knowledge of the profession of Medicine.

On the south-west corner is situated the large Pathological Building, which is also an integral part of the Hospital. In it are found the Pathological, Clinical and Chemico-Pathological Laboratories, as well as the Autopsy Room, Museums, etc. The Pathological Building is regarded as one of the most complete in America. There were 237 autopsies during the year.

North of the Pathological Unit is found the Out-Patients' Department already referred to; then follows the Emergency Hospital, fully equipped with every modern device necessary for the immediate care and treatment of emergency patients. In this building arrangements have been made for the teaching and demonstration of practical methods in minor surgery.

The Medical Wing, the Administrative Building and Surgical Wing face College Street. These groups embody every modern requirement in hospital equipment, and special facilities for the student are provided—such as lecture room, cloak room, etc.

Twelve Operating Rooms are to be found in the different Surgical sections. South of the Surgical Wing is located the Obstetrical Hospital with eighty beds. The number of births in this Department last year was 1,089.

The X-Ray Department is one of the most complete on the continent, and averages more than one hundred patients a day sent in for examination. Complete courses are given to the students, so that they can qualify themselves in X-ray work. A well equipped Hydro-Therapeutic Department exists in connection with the X-Ray Department.

### HOSPITAL FOR SICK CHILDREN.

This large Hospital, with 250 beds, is entirely devoted to diseases in children, there having been 4,983 cases treated during the last year. In the Out-patient Department, 40,934 patients were attended. The old building has been remodelled and a large new wing has been built on the west side of the present building. These alterations and additions include new operating theatres, out-patient department, pathological laboratories and wards for infectious cases.

### ST. MICHAEL'S HOSPITAL.

This institution is conducted as a General Hospital, where medical, surgical and obstetrical cases are admitted. The number of patients admitted last year was 5,283 while 28,562 cases were treated in the out-patient department. There were 434 births in the Obstetrical Department. The accommodation has been enlarged by the addition of a new wing, so that there are now 400 beds. An operating theatre has been provided constructed with all the necessary modern equipment for the practise of antiseptic surgery.

### TORONTO WESTERN HOSPITAL.

This is a modern institution affording excellent opportunities for clinical study. During the past year 4,129 patients were admitted. There is an out-door service where dental, tubercular, surgical, medical, gynaecological and special clinics are held; the number of patients treated in the Out-patient Department last year was 7,378.

Two large operating theatres are provided and the operations performed last year numbered 2,622. There is also an Obstetrical Department.

There are four public wards specially adapted for clinical teaching each containing thirty beds; two of these wards are devoted to medical and two to surgical cases.

### Resident Assistants in the Hospitals.

A number of resident assistants are appointed annually from the graduates in medicine of Universities, and hold their positions for one or two years.

They will have full opportunities for acquiring experience in the general and special wards of the Hospitals, and during the session they will have charge under the physicians and surgeons in the wards.

## CONNAUGHT ANTITOXIN LABORATORIES.

*Director:* J. G. FitzGerald.
*Associate Director*—R. D. Defries.
*Research Associate*—A. H. Caulfeild.
*Research Chemist:* P. J. Moloney.
*Research Assistant:* Miss L. Hanna.

The Connaught Antitoxin Laboratories, consisting of Research and Antitoxin Divisions, have a scope somewhat similar to that of the Lister Institute, London; The Pasteur Institute, Paris; and the Rockefeller Institute, New York, in the field of preventive Medicine, Bacteriology, Serology. and Immunity. Primarily established for research in Preventive Medicine, these Laboratories are also engaged in the production and distribution of Public Health Biological Products. The distribution of diphtheria antitoxin was commenced in April, 1914, and since that date the production of other sera and vaccines has been undertaken and the distribution extended throughout Canada and Newfoundland, the British West Indies, and recently to New Zealand.

The products distributed include: diphtheria antitoxin, tetanus antitoxin, anti-meningitis serum, small-pox vaccine, anti-pneumococcus serum, typhoid vaccine and rabies vaccine.

Since February 1st, 1916, the Provincial Board of Health of Ontario has distributed, free of charge in Ontario, all of the above named products. The Secretaries of the Local Boards of Health need only make application to the Chief Officer of Health, Parliament Buildings, Toronto, and supplies are at once forwarded. Physicians and Hospitals are supplied by the Secretary of their Local Boards of Health.

Similarly in September, 1917, the Bureau of Public Health, Saskatchewan, began free distribution of diphtheria antitoxin in that Province. (The antitoxin so supplied is prepared by these Laboratories.)

The Department of Militia and Defence was supplied with tetanus antitoxin and other biological products used by the Canadian Expeditionary Force Overseas and in training in Canada.

In October, 1917, a farm of over fifty acres and completely equipped laboratories and stables were presented to the University by Colonel Albert Gooderham. These Laboratories were given to provide facilities for research in Preventive Medicine, especially along the lines of serum therapy, and also to provide for the production of serums and vaccines. In connection with these Laboratories there has been established the Connaught Laboratories Research Fund, the interest on which is to be utilized for the support of research work in Preventive Medicine.

# GENERAL INFORMATION FOR STUDENTS.

## PHYSICAL TRAINING.

By order of the Board of Governors each male student proceeding to a degree must take Physical Training in the First and Second Years of his attendance. He must first undergo a medical examination by the Physical Director of the University to determine the character of his training.

## DISCIPLINE.

The Council of University College and the governing bodies of the federated universities and colleges, respectively, have disciplinary jurisdiction over and entire responsibility for the conduct of their students in respect of all matters arising or occurring in or upon their respective college buildings and grounds, including residences.

The councils of such of the faculties as have assigned for their separate use any building or buildings and grounds, including residences, have disciplinary jurisdiction over and entire responsibility for the conduct of all students in their respective faculties in respect of all matters arising or occurring in or upon such building or buildings and grounds.

In all such cases, and, save as aforesaid, as respects all students to whatsoever college or faculty they may belong, disciplinary jurisdiction is vested in the Caput, but the Caput may delegate its authority in any particular case or by any general regulation to the council or other governing body of the university or college or faculty to which the student belongs.

If there be any question as to the proper body to exercise jurisdiction in any matter of discipline which may arise, the same shall be determined by the Caput, whose decision shall be final.

Disciplinary jurisdiction includes the power to impose fines.

## REGULATIONS RELATING TO STUDENTS.

1. No student will be registered in any year, or be allowed to continue in attendance, whose presence for any cause is deemed by the Faculty Council or Caput to be prejudicial to the interests of the University. Registration in any year does not entitle a student to registration in a subsequent year.

2. Students are required to attend the course of instruction and the examinations in all subjects prescribed for students of their respective standing, and no student will be permitted to remain in the University who persistently neglects academic work.

3. All interference on the part of any student with the personal liberty of another, by arresting him, or summoning him to appear before any tribunal of students, or otherwise subjecting him to any indignity or personal violence, is forbidden by the Council. Any student convicted of participation in such proceedings will render himself liable to expulsion from the University.

4. A student who is under suspension, or who has been expelled from a College or the University, will not be admitted to the University buildings or grounds.

5. The constitution of every University society or association of students and all amendments to any such constitution must be submitted for approval to the Caput. All programmes of such societies or associations must, before publication, receive the sanction of the Caput. Permission to invite any person not a member of the Faculty of the University to preside at or address a meeting of any society or association must be similarly obtained. Societies and associations are required to confine themselves to the objects laid down in their constitution.

6. The name of the University is not to be used in connection with a publication of any kind without permission of the Caput.

## THE UNIVERSITY OF TORONTO MEDICAL SOCIETY.

This Society consists of the graduates and undergraduates enrolled in the Faculty of Medicine of the University of Toronto. It is under the patronage of the members of the Faculty of Medicine and its object is to deal with all matters pertaining to the general interest and welfare of the students, especially:—

(*a*) To encourage interest in general medical science and literature, and in pursuit of medical studies.

(*b*) To provide a supply of daily newspapers, periodicals, magazines and music for the reading rooms; also telephones for the convenience of students

(*c*) To be a means of communication between the Student body and the Faculty or others, when such communication is desirable.

(*d*) To provide a series of entertainments for students at intervals during the Session.

(*e*) Each student will be required to pay the annual fee of two dollars to the Treasurer of the Society, to be divided as follows:—

| | |
|---|---|
| Medical Society Fee | $1.00 |
| Athletic Fee | .25 |
| Class Fee | .75 |

## STUDENTS' ADMINISTRATIVE COUNCIL.

The Students' Administrative Council has been entrusted by the Caput with supervision of the conduct of the students, and has disciplinary powers to deal with violation of the regulations governing conduct.

Any student who may be convicted of having taken part in a parade or procession through the city which has not been authorized by the police authorities after application by the Executive of the Students' Administrative Council, will be severely disciplined.

## WOMEN STUDENTS' ADMINISTRATIVE COUNCIL.

The Women Students' Administrative Council is the representative organ of the women students of the University of Toronto and aims to co-ordinate all intercollegiate activities. It consists of representatives from all colleges and faculties. A fee of $3 is paid for the council by each woman student proceeding to the Bachelor's degree. The council assumes joint financial responsibility with the men's council for the publication of *Varsity*, *Torontonensis* and the *Directory*.

## THE ROLL OF SERVICE.

The final edition of the Roll of Service is now being published. In it the records of all the members of the University who were on active service in the War are given in an abbreviated form similar to that used in the previous editions, but with more details, in so far as the facts have been ascertained in each case. The records of those who died on active service will be given more fully.

## CANADIAN OFFICERS' TRAINING CORPS.

The primary object of the Canadian Officers' Training Corps is to provide students at the University with a standardized measure of military training with a view to their qualifying for commissions in the country's auxiliary forces. C.O.T.C. Certificates of qualification exempt their holders from examination for commissioned rank on joining a militia unit. The facilities which are offered by the University of Toronto contingent for obtaining a qualification while at the University, are intended to enable gentlemen to give personal service to their country with the least possible interference with their civil careers, to ensure that units have their establishments complete in the junior commissioned ranks, and to build up an adequate reserve of scientifically trained officers who have completed a period of consecutive and systematic military training, on academic lines, of a nature calculated to produce good officers.

The contingent provides the practical work for students taking the Military Studies option for the degree in Medicine, as also physical exercise for students who may choose this as the form in which they will take their compulsory Physical Training. In addition to service in the corps for University credit, students of any year or Faculty are trained in it to qualify for the Militia Department's officers' certificates.

The C.O.T.C. is a unit of the non-permanent Active Militia but forms no part of the organization for war and cannot be called out for active service as such. It is a training centre for the educated youth of the country from whom, as from all its sons, the Empire requires hard service, but the hardest from those to whom most have been given.

The present Headquarters are at 184 College Street, and include armouries, members' reading room, library, and lecture room.

## HART HOUSE.

Hart House, the gift of the Massey Foundation, is the Undergraduates' Union of the University of Toronto.

Hart House contains completely equipped club rooms, including common rooms, reading room, music room, lecture room, sketch room, photographic dark rooms, the Great Hall, used as a dining hall, a small chapel, the offices and class rooms of the Young Men's Christian Association, gymnasia and swimming pool, rifle range, billiard room and the Hart House theatre.

All male students proceeding to a degree in the University are members of Hart House. The annual fee imposed by the University covers the fee of the Students' Administrative Council, all club fees in connection with Hart House and membership in the Athletic Association, including the medical examination.

Other male students in the University, or students in the affiliated or federated institutions receiving instruction in the University, may become members of Hart House on payment of the required fee.

Graduates are entitled to the full privileges of Hart House on payment of an annual fee of $10.00. Out-of-town graduates may become members on payment of an annual fee of $2.50.

A group of rooms is set apart for the use of the Faculty Union. There is also a common room for the use of graduates. Five guest rooms are available for the use of guests, for periods of a week or less, at a reasonable rental.

The theatre is under the management of the Players' Club of the University of Toronto, and is available for productions by any of the Dramatic Clubs within the University.

For further information, apply to the Warden of Hart House.

## RESIDENCE FOR MEN.

By the generosity of Mr. and Mrs. E. C. Whitney and other friends, the University can now offer to some hundred and fifty men the peculiar advantages of residential life and excellent accommodation within its own grounds. The Residence, opened in November, 1908, consists of three Houses situated on the north side of Hoskin Avenue, opening upon a quadrangle the fourth side of which is formed by Devonshire Place.

They stand about two hundred yards to the north of University College and close to Hart House, to which is attached the University Dining Hall. The buildings are known as the South, East and North Houses.

Each house contains twenty-four single rooms, one single suite, one double room and eleven suites, a suite comprising a study and two bedrooms. A large room in each building, with an open hearth and a library has been set aside as a common room. A lavatory with hot and cold shower baths is provided for every eight men. The buildings are heated by steam and lighted by electricity.

The University supplies the table, chairs, book-case, chiffonier, bed, mattress, pillows, linen and window shades for each room; it is prepared to furnish a drop-light for a nominal rent.

Each occupant is charged $4.00 room-rent per week, payable to the Bursar four weeks in advance. The charge for each single suite is $5.00 per week. These charges cover heat, light, house-service, house-laundry, and the use of the telephone. There is no separate dining hall connected with the Residence, but board may be obtained at the adjacent University Dining Hall.

Applications for rooms must be made in writing to the Secretary of the Residence Committee (address the Registrar's Office) and must be accompanied by a deposit of $5.00. This deposit will be returned if the application be not granted, but will be forfeited if a room be assigned to the applicant and not taken by him, unless notice of his refusal of the room be received by the Secretary in writing before September 22nd. It will be returned in full at the end of the College year if the room key be given back and the room and furniture left in a satisfactory condition. The following principles govern the allotment of rooms: (i) No student who, as a result of the annual Spring examinations, is not assured of being able to proceed to a subsequent year, will be admitted into the Residence. Exception to this rule will be made in the case of a student in the Faculty of Medicine who has obtained standing at the May examination, but is debarred by the rules of that Faculty from proceeding to the subsequent year until he has passed his Supplemental examinations. Such a student will be assigned a room provisionally, but cannot occupy it unless he passes his Supplemental examinations in September. (ii) The rooms in each House will be distributed between the various Faculties and Years. (iii) A limited number of rooms will be reserved for members of the incoming First Year until September 18th. (iv) Applications will be considered in order of priority.

The University lays down three general rules, designed to prevent hazing, the use of intoxicants and gambling. The students in each House shall elect a House Committee, which is entrusted by the University with the making and enforcing of any other needed rules and with the maintenance of order. A member of the Faculty resides in each House to act as friend and adviser to the men in residence.

## ARGYLL HOUSE.
### 100 Queen's Park.

Accommodation for thirty women students is afforded by Argyll House. Applications should be made to the Secretary of the Argyll House Committee, 85 St. George Street, Toronto, from whom terms of residence may be obtained.

## UNIVERSITY OF TORONTO YOUNG MEN'S CHRISTIAN ASSOCIATION.

The aim of this organization is to be of service to the undergraduates. At the commencement of the fall term it conducts at the new University Y.M.C.A. offices in Hart House a general information bureau where lists of inspected boarding houses are kept. Handbooks containing information that is of interest and importance to every student are presented to the men by the Association. The dose tables, prescriptions and chemical tests which are included in the Medical edition of this handbook make it of permanent value to every student in Medicine. The Association also endeavours to assist the men of the first year to become acquainted with each other and with men outside their own class by arranging a reception for them early in the year. For those students who find it difficult to meet all the expenses of a college course an employment bureau was opened last year, by means of which employment was provided for the spare hours of a few deserving students.

On Sunday mornings, for a greater part of the academic year, the Colleges' Sermon Series is conducted in the University Convocation Hall. The preachers at these services are among the strongest speakers to students in Canada and the United States.

The Bible Study Department of the Association has proven most interesting and helpful to the students. The method adopted for this study is the group system which means that the men who are following the work meet in groups of from six to eight in number at a time and place convenient to the members of the individual group. Each group is led—not taught—by a fellow student. As a result of the freedom of discussion which this method assures, and of the systematic nature of the study, great interest is aroused in the things which really count in life.

From time to time open meetings are held by the Medical Y.M.C.A., where addresses are given and discussions conducted on topics of medical ethics, and particularly on problems and claims of medical work in foreign countries.

## ALPHA OMEGA ALPHA HONOUR MEDICAL SOCIETY.

A chapter of the Alpha Omega Alpha has been in existence in the University of Toronto since 1906. This society, which has chapters in all the principal Medical Schools of Canada and the United States, is a student organization founded for the furtherance of Medical Research. Entrance to it is dependent entirely upon standing at examinations. Its activities consist in a series of bi-weekly meetings held during the winter session, for which papers are prepared and read by the student members

## OFFICERS AND MEMBERS OF THE FACULTY SINCE ITS ORIGIN.

### Deans.

W. T. Aikins, 1887-1893.
U. Ogden, 1893-1896.
R. A. Reeve, 1896-1908.
C. K. Clarke, 1908-1920.
A. Primrose, 1920.

### Associate Dean.

J. R. R. Macleod, 1920.

### Secretaries.

Adam Wright, 1887-1893.
James Brebner, 1893-1894.
A. Primrose, 1894-1918.
E. Stanley Ryerson, 1918.

### Assistant Secretaries.

J. J. Mackenzie, 1900-1908.
E. Stanley Ryerson, 1908-1918.

### Medicine and Clinical Medicine.

*Professors of Medicine.*

H. H. Wright, 1887-1892.
J. E. Graham, 1887-1900.
A. McPhedran, 1900-1919.
D. A. L. Graham, 1919-

*Professors of Clinical Medicine.*

A. McPhedran, 1900-1919.
J. L. Davison, 1903-1909.

*Associate Professors of Medicine and Clinical Medicine.*

A. McPhedran, 1892-1900
J. T. Fotheringham, 1903-1919.
R. D. Rudolf, 1903-1908.
W. Goldie, 1919.

*Associate Professors of Clinical Medicine.*

W. P. Caven, 1896-1913.
W. B. Thistle, 1900-1919.
A. M. Baines, 1903-1919.
A. R. Gordon, 1903-1916.
R. J. Dwyer, 1903-1920.
H. B. Anderson, 1903-1919.
Graham Chambers, 1908-1919.
John Ferguson, 1913-1919.
William Goldie, 1913-

*Associate Professors of Paediatrics.*

A. M. Baines, 1903-1919.
A. Brown, 1919-
H. T. Machell, 1903-1919.

**Surgery and Clinical Surgery.**

*Professor of Surgery.*

W. T. Aikins, 1887-1897.

*Professors of Surgery and Clinical Surgery.*

I. H. Cameron, 1897-1920
G. A. Peters, 1903-1907.
F. LeM. Grasett, 1903-1909.
L. Teskey, 1903-1909.

*Associate Professor of Surgery and Clinical Surgery.*

G. A. Peters, 1892-1903.

*Professor of Surgery and Surgical Pathology.*

I. H. Cameron, 1887-1892.

*Associate Professor of Clinical Surgery and Clinical Anatomy.*

G. A. Bingham, 1903-

*Professors of Clinical Surgery.*

L. McFarlane, 1887-1896.
I. H. Cameron, 1892-1896.
A. Primrose, 1918.

*Associate Professors of Clinical Surgery.*

A. Primrose, 1897-1918.
B. Spencer, 1897-1903.
L. M. Sweetnam, 1897-1902.
H. A. Bruce, 1897-
W. Oldright, 1899-1910.
F. N. G. Starr, 1900-
C. L. Starr, 1903-
(In charge of Orthopaedics).
P. W. H. McKeown, 1908-
S. M. Hay, 1913-

**Obstetrics.**

*Professor.*

A. H. Wright, 1887-1912.

*Associate Professors.*

H. T. Machell, 1900-1919.
K. C. McIlwraith, 1910-
F. Fenton, 1913.

**Gynaecology.**

*Professors.*

Uzziel Ogden, 1887-1903.
James F. W. Ross, 1903-1911.

*Associate Professors.*

James F. W. Ross, 1897-1903.
F. A. Marlow, 1913-
A. A. Macdonald, 1913-1919.

*Professor of Operative Obstetrics and Gynaecology.*

J. A. Temple, 1903-1909.

**Obstetrics and Gynaecology.**

*Professor.*

B. P. Watson, 1912-

*Associate Professor.*

W. B. Hendry, 1919-

**Anatomy.**

*Professors.*

J. H. Richardson, 1887-1896.
A. Primrose, 1896-1907.
J. Playfair McMurrich, 1907-

*Associate Professors.*

M. H. Aikins, 1887-1892.
A. Primrose, 1892-1896.
H. W. Aikins, 1896-1914.

**Chemistry.**

*Professors.*

W. H. Pike, 1888-1900.
W. H. Ellis, 1887-1920
W. R. Lang, 1900-1919.
W. L. Miller, 1907.
F. B. Allan, 1919.
F. B. Kenrick, 1919.

*Associate Professors.*

W. L. Miller, 1901-1907.
F. B. Allan, 1907-1919.
F. B. Kenrick, 1910-1919.

*Associate Professor of Medical Chemistry.*

W. T. Stuart, 1903-1910.

**Biology and Physiology.**

*Professor.*

R. Ramsay Wright, 1887-1892.

**Biology.**

*Professor.*

R. Ramsay Wright, 1892-1912.

**Professor of Zoology.**

B. A. Bensley, 1914-

*Associate Professors.*

B. A. Bensley, 1906-1914. W. H. Piersol, 1910-
E. M. Walker, 1920

*Assistant Professors.*

E. M. Walker, 1913-1920.
A. F. Coventry, 1920. W. A. Clemens, 1920.

**Physiology.**

*Professors.*

A. B. Macallum, 1890-1904. T. G. Brodie, 1909-1916.
J. J. R. Macleod, 1918.

*Professor of Physiology and Physiological Chemistry.*

A. B. Macallum, 1904-1909.

*Assistant Professor.*

A. C. Redfield, 1919-1920.
J. M. D. Olmsted, 1920.

**Biochemistry.**

*Professors.*

A. B. Macallum, 1909-1917. T. Brailsford Robertson, 1918.
A. Hunter, 1919-

*Associate Professor.*

H. Wasteneys, 1918-

*Associate Professor of Zymology.*

H. B. Speakman, 1920-

**Materia Medica and Therapeutics.**

*Professors.*

James Thorburn, M.D., Edin., 1887-1892.
James M. MacCallum, 1892-1908.

*Associate Professor.*

C. F. Heebner, 1900-1903.

**Pharmacy and Pharmacology.**

*Professor.*

V. E. Henderson, 1919-

*Associate Professor*

V. E. Henderson, 1909-1919.

*Assistant Professor.*

N. C. Sharpe, 1920-

**Therapeutics.**

*Professor.*

R. D. Rudolf, 1908-

**Ophthalmology, Otology, Laryngology and Rhinology.**

*Professor.*

R. A. Reeve, 1887-1903.

**Ophthalmology and Otology.**

*Professors.*

R. A. Reeve, 1903-1914.
G. S. Ryerson, 1903-1918.
G. H. Burnham, 1903-1920
J. M. MacCallum, 1914-

*Associate Professors.*

G. H. Burnham, 1896-1903.
Chas. Trow, 1905-1911.
J. M. MacCallum, 1909-1914.

**Oto-Laryngology.**

*Professors.*

G. R. McDonagh, 1903-1914.
D. J. Gibb Wishart, 1914-

*Associate Professors.*

G. R. McDonagh, 1896-1903.
Geoffrey Boyd, 1913-1918.
D. J. Gibb Wishart, 1903-1914.
G. Royce, 1919-
P. G. Goldsmith, 1919-

**Hygiene and Sanitary Science.**

*Professors.*

Wm. Oldright, 1887-1910.
J. A. Amyot, 1910-1919.
J. G. FitzGerald, 1919.

**Hygiene and Preventive Medicine.**

*Professor.*

J. G. FitzGerald, 1919.

*Assistant Professor.*

R. D. Defries, 1920.

**Toxicology.**

*Professor.*

W. H. Ellis, 1900-1913.

*Associate Professor.*

W. H. Ellis, 1897-1900.

**Medical Jurisprudence.**

*Professors.*

W. W. Ogden, 1887-1892.
Bertram Spencer, 1900-1903.
N. A. Powell, 1903-1920
G. Silverthorn, 1920-

*Associate Professor.*

Bertram Spencer, 1896-1900.

**Medical Psychology.**

*Extra-mural Professors.*

Daniel Clark, 1887-1903.
N. H. Beemer, 1900-
J. C. Mitchell, 1903-1906.

*Professor.*

C. K. Clarke, 1906-

*Associate Professor.*

Ernest Jones, 1912-1913.

**Physics.**

*Professors.*

James Loudon, 1887-1907.
J. C. McLennan, 1907-

*Associate Professors.*

J. C. McLennan, 1905-1907.
E. F. Burton, 1911-

*Assistant Professors.*

L. Gilchrist, 1916-
J. Satterly, 1916-
H. A. McTaggart, 1920.

**Pathology.**

*Professor.*

John Caven, 1892-1896.

**Pathology and Bacteriology.**

*Professors.*

John Caven, 1896-1900.
J. J. Mackenzie, 1900-

*Associate Professor.*

J. A. Amyot, 1900-1910.

*Assistant Professor.*

H. B. Maitland, 1920.

*Professor of Clinical Pathology.*

H. B. Anderson, 1903-1905.

**Preventive Medicine.**

*Professor.*

Charles Sheard, 1903-1911.

**Pathological Chemistry.**

*Professors.*

J. B. Leathes, 1909-1915.
Andrew Hunter, 1915-1920.
V. J. Harding, 1920-

## MEDALLISTS.

### Medicine.

g. *gold medal;* s. *silver medal.*

Year.
58 Oille, L. S.–g.
Aikins, M. H.–s.
Millar, T.–s.
59 Barnhart, C. E.–g.
King, J.–s.
Francis, W. F.–s.
60 Bascom, J.–g.
Playter, E.–s.
Tisdell, F. B.–s.
Morton, E. D.–s.
Ogden, W. W.–s.
Martyn, D. H.–s.
61 Hudson, A.–g.
Elliott, J. D.–s.
62 Dolster, J.–g.
De Grassi, G. P.–g.
63 Ramsay, W. F.–g.
64 McLaughlin, J. W.–g.
65 Burnham, E. L.–g.
McCarthy, J. L. G.–s.
Kitchen, E. E.–s.
66 Mickle, W. J.–g.
McCullough, J.–s.
Wadsworth, J. J.–s.
67 Sparks, T.–s.
Palmer, R. N.–s.
Harbottle, R.–s.
Eccles, F. R.–s.
McFarlane, N.–s.
Newton, J. H.–s.
68 Brown, J. P.–g.
Hunt, R. H.–s.
Howe, T. C.–s.
69 Graham, J. E.–g.
Humble, C.–s.
McCollum, J. H.–s.
Bentley, T. B.–s.
70 Greenless, A.–g.
Burgess, T. J. W.–s.
Smith, C. M.–s.
Standish, J.–s.
Wagner, W. J.–s.
Burt, W.–s.
Williams, A. D.–s.
71 Forrest, W.–g.
Moore, C. Y.–s.
Henning, N. P.–s.
Delamater, R. H.–s.
72 Zimmerman, R.–g.
Crozier, J. B.–s.

Year.
73 Close, J. A.–g.
Beeman, M. I.–s.
Wright, A. H.–s.
Hagel, S. D.–s.
74 Fraser, D. B.–g.
Brown, O. C –s.
Farewell, A.–s.
Cameron, I. H.–s.
Shaw, G.–s.
Fraser, D.–s.
75 Britton, W.–g.
White, J.–s.
Bennett, J. H.–s.
Eakins, J. E.–s.
76 McPhedran, A.–g.
Lackner, H. G.–s.
Bowerman, A. C.–s.
Wilson, W. J.–s.
77 Stuart, W. T.–g.
Orr, R. B.–s.
Richards, N. D.–s.
78 Griffin, H. S.–g.
Meek, H.–s.
Bonnar, J. D.–s.
Kennedy, G. A.–s.
Gardiner, J. H.–s.
79 Burt, F.–g.
Mills, R. P.–s.
Chappell, W. F.–s.
80 Cross, W. J.–g.
Bryce, P. H.–s.
Ferguson, J.–s.
81 Duncan, J. H.–g.
82 Wallace, R. R.–g.
Duncan, J. T.–g.
83 Robinson, W. J.–g.
Dolsen, F. J.–g.
84 Clerke, J. W.–g.
85 Howell, J. H.–g.
Carr, L.–s.
Saunders, R. M.–s.
Hoople, H. N.–s.
86 Peters, G. A.–g.
Noecker, C. T.–s.
Johnston, D. R.–s.
87 Ego, A.–g.
88 Féré, G. A.–g.
Galloway, J.–s.
89 Chambers, G.–g.
Collins, J. H.–s.

Year.
89 Godfrey, F. E.–s.
90 Barker, L. F.–g.
Cullen, T. S.–s.
Philip, W. H.–s.
McFarlane, M. T.–s
McGillivray, C. F.–s
91 Barnhardt, W. N.–g.
Bollen, P.–s.
Boyd, G.–s.
McGorman, G.–s.
92 Bruce, H. A.–g.
Middlebro, T. H.–s.
Gowland, R. H.–s.
Brown, J. N. E.–s.
93 Harvie, J. N.–g.
South, T. E.–s.
Elliott, W.–s.
Futcher, T. B.
Harvey, E. E. Æq–s.
94 McCollum, W. J.–g.
Rutledge, H. N.–s.
Crain, W. E.–s.
Johnston, H. A.–s
95 Merritt, A. K.–g.
McKay, T. W. G.–s.
McCrae, T.–s.
Hunter, A. J.–s.
96 McCaig, A. S.–g.
Roberts, E. L.–g.
Graef, C.–s.
Goldie, W.–s.
Macklin, A. H.–s
97 Elliott, J. H.–g.
Hume, J. J. C.–s.
Nichol, R.–s.
Yeomans, W. L.–s.
98 McCrae, J.–s.
Sutherland, G. A.–s.
White, W. C.–s.
Cahoon, F.–s.
99 Wells, W.–g.
Hargrave, H. G.–s.
Piersol, W. H.–s.
Gow, J.–s.
00 Scott, P. L.
Bell, C. C. Æq–g.
Howland, G. W.
Revell, E. D. Æq–s.
Carder, E. D.–s.
01 Clarkson, F. A.–g.

Year.
01 McIlwraith, D. G.–s.
Cleland, F. A.–s.
Carswell, W. A.
Cohoe, B. A. Æq–s.
02 Roaf, H. E.
Saunders, W. P. Æq–g.
Fletcher, G. W.–s.
Moir, A.–s.
Archer, A. E.–s.
03 Oille, J. A.–g.
Phillips, J.–s.
Yin, S. C.–s.
Wilson, G. E.–s.
04 McCulloch, R. J. P.–g.
Kinghorn, A.–s.
Anderson, R. W.–s.
Walker, S. B.–s.
05 Lemon, W. S.–g.
Ford, G.–s.
Merritt, W.–s.
Gowland, M. E.–s.

Year.
06 McNeill, H. M.–g.
Holbrook, J. H.–s.
Dickson, E. C.–s.
Moorhead, A. S.–s.
07 Gray, G. C.–g.
McVicar, C. S.–s.
Schinbein, A. B.–s.
Cannon, O.–s.
08 Richards, G. E.–g.
Robertson, W. A.–s.
Buswell, R.–s.
Harkness, J. G.–s.
09 Parker, C. B.–g.
Tytler, W. H.–s.
Marcy, W. J. M.–s.
Brown, A. G.–s.
10 Watt, J. C.–g.
Follett, J. V.–s.
Butterfield, R. M.–s.
Barker, P. W.–s.
11 Livingstone, J. M.–g.
Eagles, A. S.–s.

Year.
11 Bouck, C.
Christie, N. A. Æq–s.
Campbell, J. G. A.–s.
12 McClenahan, R. R.
McPhedran, F. M., Æq–g.
Breslin, L. J.–s.
Wellman, A. L.–s.
13 Scott, W. A.
Fletcher, A. A. Æq–g.
Simon, K. M. B.–s.
Wookey, H. W.–s.
Brown, C. P.–g.
Irwin, O. M.–s.
Brodey, A.–s.
Darby, G. E.–s.
14 Detweiler, H. K.–g.
Hewitt, S. R. D.–s.
McKenzie, K. G.–s.
Brown, H. E.–s.

## Star Medallists.

Year.
67 Palmer, R. N.
68 Hunt, R. H.
Brown, J. P.
Cassidy, J. J.
69 Graham, J. E.
70 Burgess, T. J. W.–g.
Greenless, A.–s.
Wagner, W. J.–s.
71 Moore, C. Y.–g.
Henning, N. P.–s.
Forrest, W.–s.
72 Zimmerman, R.–g.
Crozier, J. B.–s.
73 Meldrum, N. W.–g.
Close, J. A.–s.
Hagel, S. D.–s.

Year.
74 Brown, O. C.–g.
Farewell, A.–s.
Campbell, A. J.–s.
75 Britton, W.–g.
White, J.–s.
Bennett, J. H.–s.
76 Lackner, H. G.–g.
McPhedran, A.–s.
Bowerman, A. C.–s.
77 Stuart, W. T.–g.
78 Bonnar, J. D.–g.
Meek, H.–s.
Griffin, H. S.–s.
79 Burt, F.–g.
80 Cross, W. J.–g.
Bryce, P. H.–g.

Year.
81 Duncan, J. H.–g.
82 Wallace, R. R.–g.
83 Robinson, W. J.–g.
86 Peters, G. A.–g.
89 Collins, J. H.–g.
Chambers, G.–s.
90 Barker, L. F.–g.
91 Barnhardt, W. N.–g.
92 Middlebro, T. H.–g.
Bruce, H. A.–s.
96 McKay, T. W. G.
Rannie, J. A.
99 Hill, H. W.
03 McCrae, T.
08 Harvey, W. H.–g.
17 Dickson, E. C.–g.

## DEGREES IN MEDICINE, CONFERRED BY THE UNIVERSITY OF TORONTO AT THE ANNUAL CONVOCATION, JUNE 1920

Anderson, John Percy
Armstrong, Harold Grover

Baker, Harold Edward
Bell, Gordon Lou
Bicknell, Nathan Johnston

Cameron, Gordon Campbell
Clouse, Earl Bingham
Cross, William David Stanley

Dafoe, William Allan
Dickson, Charles Scott, B.A.
Dickson, William Beatty, B.A.
Docherty, John Franklin, B.A.

Eagles, George Hardy

Ferguson, Harold
Fitzpatrick, Charles Patrick
Gillespie, William Fulton, B.A.
Graham, Nelson Franklin Wesley, B.A.

Hague, Omer Grenville
Hall, Robert Carr, B.A.
Hendry, Hugh William
Henry, William Ernest, B.A.
Hogarth, Walter Piper

Irvine, Percy Lyle

Jeffrey, George Stanley
Johnston, William Ealing
Jones, George Russell
Jordan, Graham Albery

Kelly, Miss Faustina Adelaide, B.A.

Lanspeary, William Daniel
Lipsett, Henry
Little, Harold Smith
Lloyd, Frank Percy, M.A.
Logan, Frederick Alexander, B.A.

Masson, Duncan Morrison, B.A.
Miller, Winfield Holmes

McClure, Miss Janet Rodger
McCormack, William Gordon
McIntosh, Peter Douglas
McKay, Alexander Lynn, B.A.

Nelson, Elford John
Nunn, Jonathan Edward

Palmer, Harold Ira
Pickett, Paul Evan
Podnos, Arthur
Powell, William Gayner, B.A.
Puffer, DeWillett Stanley, B.A.

Quinn, Harry John

Reid, John Spence, B.A.
Rittinger, Frederick
Robbins, Frederick Charles
Rush, James Winfield, Phm.B.
Russell, Norman Hodgins

Shannon, Eugene Harold
Stewart, Alvie Earl

Urquhart, George Theodore

Verity, Lloyd Egerton

Warner, Wilfred Parsons
Wheler, Ewart Gladstone
Willis, Howard Henry
Wilson, David Bruce, B.A.

Zumstein, George Todd

## DEGREES IN MEDICINE CONFERRED BY THE UNIVERSITY OF TORONTO IN SEPTEMBER, 1920.

Beamish, William Francis
Black, Boris
Brown, Michael Joseph
Burns, Beverley Bertram Rawlinson

Curtin, Miss Agnes Ann

Ellis, Thomas Arthur

Huether, Archibald Leslie

Joyce, Robert Ethbert

Kemp, Milburn Watts
Kinsman, James Douglas

Lipsitt, George Edwin
Little, William Caruthers
Lowrie, Howard Alexander

Mulligan, Clifford Victor

McClintock, John Joseph
McConney, Mrs. Florence Spaulding
McDonald, George Oliver
McGillivray, James Edward

Palmer, Russell Ethbert

Shaver, Roy Clifford
Spratt, Wray Lionell
Stevenson, Harold Glen
Sullivan, Bernard Charles

Wilson, David Gordon
Woods, William Edward

## FIRST YEAR TIME TABLE—SIX YEARS' COURSE, SESSION 1921-1922.

| HOUR | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|---|---|---|---|---|
| 9–10 | Physics | Chemistry | Physics | French A. | Biology B. †<br>Chemistry A. † | Biology |
| 10–11 | Physics<br>A. and B. † | English | Biology A. †<br>German<br>Eng. Exp. 3 | Chemistry | Biology B. †<br>Chemistry A. † | Gymnasium |
| 11–12 | Physics<br>A. and B. † | Mathematics<br>French A.<br>Eng. Exp. 2 | Biology A. †<br>French B. | English<br>Mathematics<br>German | Biology B. †<br>Chemistry A. † | Physics (Tutorial)<br>French B.<br>Eng. Expression 5 |
| 12–1 | Physics<br>A. and B. † | Science and<br>Civilization | Biology A. † | Biology | Physics | Physics (Tutorial)<br>Eng. Expression 10 |
| 2–3 | Biology A. †<br>Chemistry B. † | Physics<br>A. and B. † | Chemistry B. † | Biology B. †<br>Chemistry A. † | Biology<br>A. and B. | |
| 3–4 | Biology A. †<br>Chemistry B. † | Physics<br>A. and B. †<br>Eng. Exp. 6 | Chemistry B. †<br>Eng. Exp. 8 | Biology B. †<br>Chemistry A. † | Science and<br>Civilization | |
| 4–5 | Biology A. †<br>Chemistry B. † | Gymnasium A.<br>4.15 Eng. Expr. 7 | Chemistry B. † | Biology B. †<br>Chemistry A. † | Eng. Exp. 9 | |
| 5–6 | Eng. Expression 1 | | Gymnasium B. | Eng. Expression 4 | | |

## SECOND YEAR TIME-TABLE, SIX YEARS' COURSE, SESSION 1921-1922.

**September 27th-January 14th.**

| HOUR | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|---|---|---|---|---|
| 9–10 | Histology | Options | Options | Histology Pr. B. | Org. Chemistry | Anatomy Pr. |
| 10–11 | Anatomy | Histology | Histology | Histology Pr.B. | Options | Anatomy Pr. |
| 11–12 | Options | Histology Pr. B. | Histology Pr. A. | Histology Pr. A. | Options | Anatomy Pr. |
| 12–1 | Org. Chemistry | Histology Pr. B. | Histology Pr. A. | Histology Pr. A. | Options | Options |
| 2–3 | Anatomy Pr. | Anatomy B.<br>Histology A. | Anatomy Pr. | Anatomy Pr. | Anatomy A.<br>Histology B. | |
| 3–4 | Anatomy Pr. | Anatomy B.<br>Histology A. | Anatomy Pr. | Anatomy Pr. | Anatomy A.<br>Histology B. | |
| 4–5 | Anatomy Pr. | Anatomy B.<br>Histology A. | Anatomy Pr. | Anatomy Pr. | Anatomy A.<br>Histology B. | |

## SECOND YEAR TIME-TABLE, SIX YEARS' COURSE, SESSION 1921-1922.

**January 16th-May 6th.**

| HOUR | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|---|---|---|---|---|
| 9–10 | Options | Options | Options | Histology Pr. B. | Org. Chemistry | Anatomy Pr. |
| 10–11 | Anatomy | Histology | Histology | Histology Pr. B. | Options | Anatomy Pr. |
| 11–12 | Options | Histology Pr. B. | Histology Pr. A. | Histology Pr. A. | Options | Anatomy Pr. |
| 12–1 | Org. Chemistry | Histology Pr. B. | Histology Pr. A. | Histology Pr. A. | Options | Options |
| 2–3 | Anatomy Pr. | Chemistry A.<br>Anatomy B. | Anatomy Pr. | Anatomy Pr. | Chemistry B.<br>Anatomy A. | |
| 3–4 | Anatomy Pr. | Chemistry A.<br>Anatomy B. | Anatomy Pr. | Anatomy Pr. | Chemistry B.<br>Anatomy A. | |
| 4–5 | Anatomy Pr. | Chemistry A.<br>Anatomy B. | Anatomy Pr. | Anatomy Pr. | Chemistry B.<br>Anatomy A. | |

## THIRD YEAR CLINICAL TIME-TABLE, FIVE YEARS' COURSE, SESSION 1921-1922.

| HOUR | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|---|---|---|---|---|
| 9–10 | Medicine Clinical Lecture | Medicine D. Path. Chemistry B. Surgery A. Clin. Lab. C. | Medicine Clinical Lecture | Surgery Clinical Lecture | Medicine B. Path. Chemistry A. Surgery C. Clin. Lab. D.° | Medicine Clinical Lecture |
| 10–11 | Medicine B. Pharmacology A. Surgery C. Path. Chem. D. | Medicine A. Path. Chem. B. Surgery D. Clin. Lab. C. | Medicine D. Pharmacology C. Surgery A. Clin. Lab. B. | Medicine A. Pharmacology D. Surgery B. Path. Chem. C. | Medicine C. Path. Chem. A. Surgery B. Clin. Lab. D. | Medicine C. Pharmacology B. Surgery D. Clin. Lab. A. |
| 11–12 | Medicine B. Pharmacology A. Surgery C. Path. Chem. D. | Pharmacology C.D. | Medicine D. Pharmacology C. Surgery A. Clin. Lab. C. | Medicine A. Pharmacology D. Surgery B. Path. Chem. C. | Pharmacology A.B. | Medicine C. Pharmacology B. Surgery D. Clin. Lab. A. |

## SYSTEM OF CHANGING CLASSES FOR THIRD YEAR.

### MEDICINE.

| HOSP. | WARD | CLINICIAN | SEPT. 27-DEC. 3 | | DEC. 5-FEB. 25 | | FEB. 27-MAY 6 | |
|---|---|---|---|---|---|---|---|---|
| | | | SECTION | CLASS NO. | SECTION | CLASS NO. | SECTION | CLASS NO. |
| T.G.H. | H. | A. G. McPhedran | A. | 4 | B. | 6 | B. | 8 |
| T.G.H. | H. | H. S. Hutchison | A. | 1 | A. | 2 | A. | 3 |
| T.G.H. | I. | R. G. Armour | D. | 15 | D. | 16 | D. | 13 |
| T.G.H. | G. | H. K. Detweiler | B. | 5 | B. | 8 | B. | 7 |
| T.G.H. | G. | H. K. Detweiler | D. | 13 | D. | 14 | D. | 15 |
| T.G.H. | H. | W. R. Campbell | B. | 6 | B. | 7 | B. | 5 |
| T.G.H. | H. | W. R. Campbell | A. | 2 | A. | 1 | A. | 4 |
| T.G.H. | I. | A. A. Fletcher | B. | 7 | B. | 5 | B. | 6 |
| T.G.H. | I. | A. A. Fletcher | D. | 14 | D. | 13 | D. | 16 |
| T.G.H. | G. | R. Jamieson | A. | 3 | A. | 4 | A. | 1 |
| T.G.H. | G. | R. Jamieson | C. | 12 | C. | 9 | C. | 10 |
| T.G.H. | G. | L. Murray | C. | 9 | C. | 12 | C. | 11 |
| T.G.H. | I. | N. Gwyn | C. | 10 | C. | 11 | C. | 12 |
| St. M. | | C. Sheard | C. | 11 | C. | 10 | C. | 9 |
| T.G.H. | H. | E. E. Cleaver | B. | 8 | A. | 3 | A. | 2 |
| T.G.H. | H. | A. G. McPhedran | D. | 16 | D. | 15 | D. | 14 |

## SYSTEM OF CHANGING CLASSES FOR THIRD YEAR.

### SURGERY.

| HOSP. | SEPT. 27-DEC. 3 | | | DEC. 5-FEB. 25 | | | FEB. 27-MAY 6 | | |
|---|---|---|---|---|---|---|---|---|---|
| | CLINICIAN | SECTION | CLASS | CLINICIAN | SECTION | CLASS | CLINICIAN | SECTION | CLASS |
| T.G.H. | C. B. Shuttleworth | A. | 1 | A. B. Wright | D. | 13 | R. E. Gaby | B. | 5 |
| T.G.H. | A. S. Moorhead | A. | 2 | J. A. McCollum | D. | 14 | O. R. Mabee | B. | 6 |
| T.G.H. | N. S. Shenstone | A. | 3 | F.A. Cleland | D. | 15 | J. A. Roberts | B. | 7 |
| T.G.H. | R. R. Graham | A. | 4 | E. S. Ryerson | D. | 16 | G. E. Wilson | B. | 8 |
| T.G.H. | B. Z. Milner | B. | 5 | C. B. Parker | C. | 9 | C. B. Parker | D. | 13 |
| T.G.H. | G. M. Dale | B. | 6 | H. W. Baker | C. | 10 | H. W. Baker | D. | 14 |
| T.G.H. | G. C. McIntyre | B. | 7 | C. H. Gilmour | C. | 11 | C. H. Gilmour | D. | 15 |
| T.G.H. | J. S. Simpson | B. | 8 | F. E. Watts | C. | 12 | F. E. Watts | D. | 16 |
| T.G.H. | A. S. Lawson | C. | 9 | A. S. Lawson | B. | 5 | B. Z. Milner | A. | 1 |
| T.G.H. | E. E. Shouldice | C. | 9 | E. E. Shouldice | B. | 5 | G. M. Dale | A. | 1 |
| T.G.H. | W. A. Costain | C. | 10 | W. A. Costain | B. | 6 | G. C. McIntyre | A. | 2 |
| T.G.H. | R. H. Thomas | C. | 10 | R. H. Thomas | B. | 6 | J. S. Simpson | A. | 2 |
| H.S.C. | A. B. Lemesurier | C. | 11 | A. B. Lemesurier | B. | 7 | A. B. Lemesurier | A. | 3 |
| H.S.C. | R. I. Harris | C. | 12 | R. I. Harris | B. | 8 | R. I. Harris | A. | 4 |
| St. M. | T. A. Robinson | D. | 13 | T. A. Robinson | A. | 1 | T. A. Robinson | C. | 9 |
| St. M. | E. C. Beer | D. | 14 | E. C. Beer | A. | 2 | E. C. Beer | C. | 10 |
| W.H. | H. Harrison | D. | 15 | H. Harrison | A. | 3 | H. Harrison | C. | 11 |
| W.H. | J. H. Wood | D. | 16 | J. H. Wood | A. | 4 | J. H. Wood | C. | 12 |

## THIRD YEAR DIDACTIC TIME-TABLE SESSION 1921-1922.

**September 27th--December 16th.**

| HOUR | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|---|---|---|---|---|---|
| 12–1 | | | Physiology | | |
| 1–2 | Physiology | Physiology A.B. | | Physiology C.D. | General Pathology |
| 2–3 | Anatomy Lecture | Physiology A.B. | Surgery | Physiology C.D. | Anatomy Lecture |
| 3–4 | Anatomy A.B. | Physiology A.B.<br>Anatomy C.D. | Anatomy | Physiology C.D.<br>Anatomy A.B. | Anatomy C.D. |
| 4–5 | Anatomy A.B. | Physiology A.B.<br>Anatomy C.D. | Pharmacology | Physiology C.D.<br>Anatomy A.B. | Anatomy C.D. |

**January 3rd--May 6th.**

| | | | | | |
|---|---|---|---|---|---|
| 12–1 | | Psychology (½ Term)<br>Physiology (½ Term) | | Physiology | |
| 1–2 | General Pathology | | Pathological Histology | | General Pathology |
| 2–3 | Pathological Histology | Surgery | Pathological Histology | Physiology | Pathological and Bacteriological Laboratory |
| 3–4 | Pathological Histology | Physiology | Physiology | Pathological Histology | |
| 4–5 | Anatomy | | Medicine | Pathological Histology | |

N.B.—All clinics begin promptly on the hour. No change is to be made in this Time-table without the consent of the Faculty Council.

As Clinical attendance will be made up at the end of each week, it is essential that attendance slips be handed in by noon on Monday. The Heads of Departments will be notified in the case of students who have not turned in their slips, or who are below the requirement in attendance.

## THIRD YEAR TIME-TABLE, SIX YEARS' COURSE, SESSION 1921-1922.

**September 27th,—January 14th.**

| HOUR | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|---|---|---|---|---|
| 9–10 | Physiology | Biochemistry | Options | Biochemistry | Biochemistry | Bacteriology A.<br>Options B. |
| 10–11 | Options | Biochemistry B.<br>Physiology A. | Physiology B.<br>Bacteriology | Physiology B.<br>Bacteriology A. | Biochemistry B.<br>Bacteriology A. | Bacteriology A.<br>Options B. |
| 11–12 | Options | Biochemistry B.<br>Physiology A. | Physiology B.<br>Bacteriology A. | Physiology B.<br>Bacteriology A. | Biochemistry B.<br>Bacteriology A. | Anatomy |
| 12–1 | Options | Biochemistry A.<br>Physiology A. | Physiology B.<br>Bacteriology A. | Physiology B.<br>Bacteriology A. | Biochemistry B.<br>Bacteriology A. | |
| 2–3 | Physiology A.<br>Options B. | Biochemistry A.<br>Options B. | Anatomy | Biochemistry A.<br>Options B. | Anatomy | |
| 3–4 | Physiology A.<br>Options B. | Biochemistry A.<br>Anatomy B. | Anatomy A.<br>Options B. | Biochemistry A.<br>Options B. | Anatomy A. | |
| 4–5 | Physiology A.<br>Options B. | Biochemistry A.<br>Options B. | Physiology | Biochemistry A.<br>Options B. | Physiology | |

**January 16th—May 6th.**

| HOUR | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|---|---|---|---|---|
| 9–10 | Physiology | Biochemistry | Options | Biochemistry | Biochemistry | Psychology |
| 10–11 | Options | Physiology B.<br>Options A. | Bacteriology B.<br>Options A. | Bacteriology B.<br>Options A. | Physiology A.<br>Bacteriology B. | Bacteriology B.<br>Options A. |
| 11–12 | Options | Physiology B.<br>Options A. | Bacteriology B.<br>Options A. | Bacteriology B.<br>Options A. | Physiology A.<br>Bacteriology B. | Bacteriology B.<br>Options A. |
| 12–1 | Options | Physiology B.<br>Options A. | Bacteriology B.<br>Options A. | Bacteriology B.<br>Options A. | Physiology A.<br>Bacteriology B. | Options |
| 2–3 | Options | Physiology B.<br>Biochemistry A. | Anatomy | Physiology | Physiology A.<br>Biochemistry B. | |
| 3–4 | Options | Physiology B.<br>Biochemistry A. | Physiology | Anatomy | Physiology A.<br>Biochemistry B. | |
| 4–5 | Options | Physiology B.<br>Biochemistry A. | Options | Options | Physiology A.<br>Biochemistry B. | |

## FOURTH YEAR CLINICAL TIME-TABLE, SESSION 1921-1922.

**Subject Group I.—Medicine, Surgery, Orthopaedic Surgery, Paediatrics.**

Ten Weeks.

| HOUR | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|---|---|---|---|---|
| 9–10 | Medicine | Medicine | 9–10.30<br>Surgery<br>Orthop. | Medicine | 9–10.30<br>Paediatrics | Medicine |
| 10–11 | Medicine<br>Lecture T.G.H. | Medicine<br>Lecture T.G.H. | | Medicine<br>Lecture T.G.H. | | Medicine<br>Clinical<br>Lecture T.G.H. |
| 11–12 | Surgery | Surgery | 10.30–12<br>Paediatrics | Surgery | 10.30–12<br>Surgery<br>Orthop. | Surgery |
| 12–1 | | | | | | Surg. App.<br>Lect. Anat.<br>T.G.H. |

**Subject Group II.—Medicine, Surgery, Eye, Nose, Path. Chemistry.**

Ten Weeks

| HOUR | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|---|---|---|---|---|
| 9–10 | Surgery | Medicine | Medicine | Medicine | Medicine | Medicine |
| 10–11 | Eye<br>Nose | Eye<br>Nose | Path. Chemistry | Eye<br>Nose | Eye<br>Nose | Medicine<br>Clin. Lect. T.G.H. |
| 11–12 | Eye<br>Nose | Eye<br>Nose | Surgery | Eye<br>Nose | Eye<br>Nose | Surgery |
| 12–1 | | | | | | Sur. App. Anat.<br>Lect. T.G.H. |

**Subject Group III.—Medicine, Surgery, Obstetrics, Gynaecology, Clin. Therap., Infect. Diseases.**

Ten Weeks.

| HOUR | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|---|---|---|---|---|
| 9–10 | Medicine | Infect. Diseases | Medicine | Medicine | Infect. Diseases | Medicine |
| 10–11 | Medicine | Infect. Diseases | Medicine | Medicine | Infect. Diseases | Medicine<br>Clin. Lect. T.G.H. |
| 11–12 | Obstetrics | Surgery | Surgery | Clin. Therap. | Gynaecology | Surgery |
| 12–1 | | | | | | Sur. App. Anat.<br>Lect. T.G.H. |

## SYSTEM OF CHANGING CLASSES FOR THE FOURTH YEAR.

### MEDICINE.

| SUBJECT GROUP | HOSP. | CLINICIANS | SEPT. 27TH TO DEC. 3RD CLASS NO. | DEC. 5TH TO FEB. 25TH CLASS NO. | FEB. 27TH TO MAY 6TH CLASS NO. |
|---|---|---|---|---|---|
| 1. Medicine | T.G.H. | L. Murray | 1 | 12 | 5 |
| Surgery | T.G.H. | N. Gwyn | 2 | 9 | 8 |
| Orth. Surgery | T.G.H. | G. Howland | 3 | 10 | 7 |
| Paediatrics | T.G.H. | F. Rolph | 4 | 11 | 6 |
| 2. Medicine | T.G.H. | F. McPhedran | 5 | 1 | 12 |
| Surgery | T.G.H. | C. S. McVicar | 6 | 4 | 11 |
| Eye | West.H. | F. A. Clarkson | 7 | 3 | 10 |
| Nose | West.H. | T. J. Page | 8 | 2 | 9 |
| Path. Chem. | | | | | |
| 3. Medicine | St.M. | J. H. McPhedran | 9 | 8 | 2 |
| Surgery | St.M. | A. J. Mackenzie | 10 | 7 | 3 |
| Obstet. | St.M. | J. Loudon | 11 | 6 | 4 |
| Gynaec. | St.M. | J. H. Elliott | 12 | 5 | 1 |
| Clin. Therap. | St.M. | C. Sheard, Jr. | 12 | 5 | 1 |
| Inf. Diseases | | | | | |

## SYSTEM OF CHANGING CLASSES FOR FOURTH YEAR.

### SURGERY.

| SUBJECT GROUP | HOSP. | SEPT 27TH-DEC. 3RD | | DEC. 5TH-FEB. 25TH | | FEB. 27TH-MAY 6TH | |
|---|---|---|---|---|---|---|---|
| | | CLINICIAN | CLASS | CLINICIAN | CLASS | CLINICIAN | CLASS |
| 1. Medicine | T.G.H. | A. B. Wright | 1 | C. B. Shuttleworth | 9 | C. B. Shuttleworth | 5 |
| Surgery | T.G.H. | J. A. McCollum | 2 | A. S. Moorhead | 10 | A. B. Wright | 6 |
| Orth. Surgery | T.G.H. | F. A. Cleland | 3 | N. S. Shenstone | 11 | A. S. Moorhead | 7 |
| Paediatrics | H.S.C. | W. E. Gallie | 4 | W. E. Gallie | 12 | W. E. Gallie | 8 |
| | | D. E. Robertson | 4 | D. E. Robertson | 12 | D. E. Robertson | 8 |
| 2. Medicine | T.G.H. | O. R. Mabee | 5 | O. R. Mabee | 1 | N. S. Shenstone | 9 |
| Surgery | T.G.H. | E. S. Ryerson | 5 | R. R. Graham | 1 | F. A. Cleland | 9 |
| Eye | T.G.H. | J. A. Roberts | 6 | J. A. Roberts | 2 | E. S. Ryerson | 10 |
| Nose | T.G.H. | G. E. Wilson | 6 | G. E. Wilson | 2 | A. S. Lawson | 10 |
| Path. Chem. | T.G.H. | C. B. Parker | 7 | B. Z. Milner | 3 | R. R. Graham | 11 |
| | T.G.H. | H. W. Baker | 7 | G. M. Dale | 3 | E. E. Shouldice | 11 |
| | West.H. | A. H. Perfect | 8 | A. H. Perfect | 4 | A. H. Perfect | 12 |
| | West.H. | H. E. Clutterbuck | 8 | H. E. Clutterbuck | 4 | H. E. Clutterbuck | 12 |
| 3. Medicine | T.G.H. | R. E. Gaby | 9 | R. E. Gaby | 5 | J. A. McCollum | 1 |
| Surgery | T.G.H. | C. H. Gilmour | 10 | G. C. McIntyre | 6 | W. A. Costain | 2 |
| Obstet. | T.G.H. | F. E. Watts | 10 | J. S. Simpson | 6 | R. H. Thomas | 2 |
| Gynaec. | St.M.H. | G. Silverthorn | 11 | G. Silverthorn | 7 | G. Silverthorn | 3 |
| Clin. Therap. | St.M.H. | J. F. Uren | 12 | J. F. Uren | 8 | J. F. Uren | 4 |
| Inf. Diseases | St.M.H. | M. H. V. Cameron | 12 | M. H. V. Cameron | 8 | M. H. V. Cameron | 4 |

## FOURTH YEAR DIDACTIC TIME-TABLE

**September 27th—December 16th.**

| HOUR | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|---|---|---|---|---|---|
| 1–2 | Pathological Histology | Pathological Histology | Pathological Histology | Pathological Histology | Pathological Chemistry |
| 2–3 | Pathological Histology | Pathological Histology | Pathological Histology | Pathological Histology | Medicine |
| 3–4 | Obstetrics | Therapeutics | Gynaecology | Obstetrics | Surgery |
| 4–5 | Clinical Laboratory | Clinical Laboratory | Clinical Laboratory | Clinical Laboratory | Clinical Laboratory |
| | **January 3rd—May 6th.** | | | | |
| 1–2 | Therapeutics | Medicine | Clinical Laboratory | Clinical Therapeutics | Clinical Laboratory |
| 2–3 | Med. Jurisprudence | Special Pathology | Clinical Conference on Autopsy Material | Hygiene | Hygiene |
| 3–4 | Gynaecology | Psychiatry, 6 weeks<br>Medicine, 10 weeks | Special Pathology | Obstetrics | Obstetrics |
| 4–5 | Paediatrics, 6 weeks<br>Toxicology, 8 weeks | Clinical Laboratory | Psychiatry, 6 weeks<br>Surgery, 10 weeks | Paediatrics, 6 weeks<br>Medicine, 10 weeks | Pathological Chemistry |

N.B.—All clinics begin promptly on the hour.

No change is to be made in this Time-table without the consent of the Faculty Council.

As clinical attendance will be made up at the end of each week, it is essential that attendance slips be handed in by noon on Monday. The Heads of Departments will be notified in the cases of students who have not turned in their slips, or who are below the requirement in attendance.

## FIFTH YEAR CLINICAL TIME-TABLE, SESSION 1921-1922.

MEDICINE—Ten Weeks.

| HOUR | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|---|---|---|---|---|
| 9–12 | Medicine | Medicine | Medicine | Medicine | Medicine | Medicine |
| 2–4 | Medicine | (Tuberculosis Clinic) | Medicine | Medicine | (Tuberculosis Clinic) | |

SURGERY—Ten Weeks.

| | | | | | | |
|---|---|---|---|---|---|---|
| 9–12 | Surgery | Surgery | Surgery | Surgery | Surgery | Surgery |
| 2–4 | X-Ray | Pathology | X-Ray | X-Ray | Pathology | |

OBSTETRICS AND GYNAECOLOGY AND SPECIALITIES—Ten Weeks.

**Five Weeks.**

| HOUR | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|---|---|---|---|---|---|
| 9–10 | Paed. 1-7<br>Nose 8-14<br>Eye 15-20 | Paed. 8-14<br>Nose 15-20<br>Eye 1-7 | Paed. 15-20<br>Nose 1-7<br>Eye 8-14 | Paed. 8-14<br>Nose 1-7<br>Eye 15-20 | Paed. 15-20<br>Nose 8-14<br>Eye 1-7 | Paed. 1-7<br>Nose 15-20<br>Eye 8-14 |
| 10–11 | Paed. 1-7<br>Nose 8-14<br>Syphilis 15-20 | Paed. 8-14<br>Nose 15-20<br>G.U. 1-7 | Paed. 15-20<br>Nose 1-7<br>Syphilis 8-14 | Paed. 8-14<br>Nose 1-7<br>G.U. 15-20 | Paed. 15-20<br>Nose 8-14<br>Syphilis 1-7 | Paed. 1-7<br>Nose 15-20<br>G.U. 8-15 |
| 11–12 | Clin. Therapeutics | Dermat. 15-20 | Clin. Therapeutics | Dermat. 1-7 | Clin. Therap. | Dermat. 8-14 |
| 2 | Clin. Therapeutics | Child Welfare Clinic, 2.30 | Clin. Therapeutics | Psychiatry T.G.H. (Feeble-minded Clinic) | Psychiatry | |

**Five Weeks.**

OBSTETRICS AND GYNAECOLOGY—21-40.

**LECTURE TIME-TABLE.**

| | HOUR | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY |
|---|---|---|---|---|---|---|
| | 12-1 | Medicine. Clinical Lecture. | Medicine. Clinical Lecture. | Surgery. Clinical Lecture. | Clinical Conference on Pathological Material | Obstetrics. |
| October 3rd-14th | 4-5 | Ophthalmology | Ophthalmology | Ophthalmology | Ophthalmology. | Ophthalmology |
| October 17th-21st | 4-5 | *Anaesthesia | *Anaesthesia | *Anaesthesia | *Anaesthesia | *Anaesthesia |
| October 24th-November 18th | 4-5 | Oto-Laryngology | Oto-Laryngology | Oto-Laryngology | Oto-Laryngology | Oto-Laryngology |
| November 21st-December 2nd | 4-5 | *History of Medicine | *History of Medicine | *History of Medicine | *History of Medicine | *History of Medicine |
| December 5th-9th | 4-5 | *Dentistry | *Dentistry | *Dentistry | *Dentistry | *Dentistry |
| December 12th-16th | 4-5 | *Medical Ethics | *Medical Ethics | *Medical Ethics. | *Life Insurance | *Life Insurance |

## SYSTEM OF CHANGING CLASSES.

| Date. | Medicine. | Surgery.<br>Pathology. | Obstetrics.<br>Gynaecology.<br>Eye.<br>Ear, Nose and Throat.<br>Paediatrics.<br>Dermatology.<br>Psychiatry.<br>Syphilis.<br>Clinical Therapeutics.<br>Genito-urinary Surgery. |
|---|---|---|---|
| Sept. 27 to Dec. 3. | Nos. 41 to 80 | Nos. 81 to 120 | Nos. 1 to 40. |
| Dec. 5 to Feb. 25. | Nos. 81 to 120 | Nos. 1 to 40. | Nos. 41 to 80 |
| Feb. 27 to May 6. | Nos. 1 to 40. | Nos. 41 to 80. | Nos. 81 to 120 |

All clinics begin promptly on the hour.

No change is to be made in this Time-table without the consent of the Faculty Council.

*Questions on these subjects may be set on the papers in Medicine and Surgery.

# UNIVERSITY OF TORONTO.

## FACULTY OF MEDICINE.

### REGISTER OF STUDENTS, 1920-21.

#### First Year.

Bain, T.....Toronto
Baker, L. L.....Toronto
Barker, N. J.....Toronto
Bates, Miss J. L.....Toronto
Beckett, M. B.....Brantford
Bell, E. G.....Copper Cliff
Bennett, D. S.....Toronto
Bennett, S. R.....St. Catharines
Black, L. W.....Hespeler
Borron, R. W.....Toronto
Boye, J. H.....Toronto
Brebner, W. B.....Toronto
Bright, W. G.....Wiarton
Brintnell, F. B.....Colborne
Bronstein, N. W.....Toronto
Brown, H. R.....Toronto
Bull, F. B.....Brampton
Burt, C. F.....Brantford
Butters, H. L.....Niagara Falls

Cairo, Miss M. R.....Toronto
Cameron, H. M.....Ottawa
Campbell, C. A. L.....Hamilton
Campbell, I.....Toronto
Campbell, I. P.....Grand Valley
Campbell, J. G.....Toronto
Carr, C. W.....Thornton
Carson, W. H.....Chatsworth
Clarke, L.....Toronto
Clark, R.....Yorkton, Sask.
Cleland, S. G.....Toronto
Coburn, W. A.....Nanaimo, B.C.
Connolly, W. G.....Brechin
Cudmore, W. E.....Bronte

Dell, C. A. O.....Niagara Falls
Derbyshire, W. J.....Sunnyside, Eng.
Dowsley, G. A.....Mallorytown
Dreyer, J. F.....Toronto

Easton, N. L.....Ayton
Esdale, W. R.....Ottawa
Fairfield, A. B.....Beamsville
Farnsworth, J. F.....Selby
Ferguson, J. G.....Toronto
Fidler, K. A.....Toronto
Fine, J. M.....Toronto
Flahiff, E. W.....Paris
Fleming, Miss E. W.....Toronto
Fleming, F. J.....St. Marys
Flommerfelt, T. E.....Thorold
Forde, J. H.....Toronto
Fowler, A. C.....Perth
Fowler, C. J.....Kingston
Fralick, F. T.....Thornhill

Gardiner, W. J.....Midland
Gies, A. H.....Hamilton
Goodchild, S. F.....Toronto
Goodwin, J. C.....Niagara Falls
Gordon, M. K.....Caledonia
Gordon, S. D.....Agincourt
Graham, C. B.....Oakwood
Grant, R. C.....Toronto
Griffith, J. R. I.....Toronto
Guay, A. J. L.....Calgary, Alta.
Guthrie, J. A. T.....Toronto

Hain, C. W.....Toronto
Hakstian, A.....Brantford
Hall, G. W.....Sunderland
Ham, A. W.....Brantford
Harvie, D. A.....Midland
Hassard, C. E. A.....Toronto
Hatfield, W. H.....Vancouver, B.C.
Hayes, F. A. M.....Guelph
Hemond, C. J.....Windsor
Henderson, J. G.....Troy
Hershey, J. M.....Owen Sound
Higgs, W. D.....Albert Head, B.C.
Hisey, R. F.....Creemore
Hobson, J. P.....Niagara Falls
Hoffman, B.....Toronto
Hooey, L.....North Bay
Hooper, G. G.....Brandon
Hooper, L. N.....Little Britain
Houser, G. F.....Humberstone
Huddart, Miss V. G.....Toronto

Hudson, L. . . . . Toronto
Huff, R. G. . . . . Peterborough
Huggard, L. H. A. R. . . Vancouver, B.C.
Hutton, D. V. . . . . Brantford
Hyland, H. H. . . . . Toronto

Ingham, C. J. . . . . Stratford
Irwin, D. A. . . . . Toronto

James, A. P. . . . . Toronto
James, G. . . . . Vancouver, B.C.
Jeffries, C. N. . . . . Toronto
Jones, A. . . . . Toronto
John, T. P. . . . . Bridgetown, St. Vincent, B.W.I.
Jones, G. H. . . . . Claremont

Kamitakahara, E., Vancouver, B.C.
Kelly, J. A. . . . . Long Branch
Kennedy, A. S. . . . . Beeton
Kenney, W. G. C. . . . . Acton
Kirk, C. M. . . . . Antigonish, N.S.
Kyles, N. B. . . . . Toronto

Landau, J. . . . . Toronto
Laughton, J. L. . . . . Walkers
Leaver, L. R. . . . . Toronto
Le Drew, F. . . . . Toronto
Little, J. L. . . . . Guelph
Lloyd, P. F. . . . . Brewer's Mills
Lively, F. M. . . . . New Liskeard
Lowrey, H. E. D. . . . . St. David's

Mackam, T. W. . . . . St. Catharines
Manaceveth, B.A. . . . . Toronto
Manaceveth, G. . . . . Toronto
Mason, L. W. . . . . Simcoe
Mason, P. W. . . . . Simcoe
Matheson, G. E. . . . . Sudbury
Matheson, J. A. . . . . Granum, Alta.
Mayne, J. E. . . . . Drayton
Miller, J. M. . . . . Moose Jaw, Sask.
Milne, J. E. . . . . Elmwood
Moir, H. B. . . . . Preston
Moir, H. K. . . . . Toronto
Mortimer, G. H. . . . . Toronto
Mulligan, T. J. . . . . Sudbury
Mulock, Miss G. E., St. Catharines
Murray, S. S. . . . . Dundas

McCallum, J. D. . . . . Lloydtown
McCannel, W. A. . . . . Chesley
McCombs, R. D. . . . . Lowbanks
McDonald, D. F. . . . . Sutton West
McDonald, Miss E. . . . . Sudbury
McDonald, L. R. . . . . Regina, Sask.
McGee, A. R. . . . . Norwood
McKay, J. B. . . . . Owen Sound
McKeown, L. . . . . Moose Jaw, Sask.
McLellan, R. F. . . . . Harriston
McMullen, R. E. . . . . Toronto
Macnamara, A. R. . . . . Toronto
MacNicoll, W. T. . . . . Hamilton
MacNiel, A. C. . . . . Oakville
McNiven, E. L. . . . . Victoria, B.C.
Nicholson, T. F. . . . . Toronto

Oakes, W. A. . . . . Guelph
O'Donnell, J. . . . . Mimico

Paul, H. A. . . . . Haileybury
Pearson, N. D. . . . . Stayner
Peart, H. E. . . . . Burlington
Peeler, D. B. . . . . Toronto

Potter, C. W. . . . . Southend
Pratt, D. W. . . . . Toronto

Raiter, L. . . . . Hamilton
Reeve-Newson, T. . . . . Toronto
Riddell, F. . . . . Beaverton
Robertson, R. . . . . Toronto
Robinson, Miss H. S. . . . Kleinburg
Rogow, H. A. . . . . Toronto
Rosen, N. . . . . Toronto
Ross, J. R. . . . . Toronto
Ruby, R. A. . . . . Kemptville
Ryall, D. B. . . . . Nanaimo, B.C.

Scher, J. N. . . . . Toronto
Shaver, C. G. . . . . Ancaster
Sidenberg, I. I. . . . . Toronto
Silverthorne, L. N. . . . . St. Thomas
Silverton, T. L. . . . . Toronto
Sinclair, G. A. . . . . Burlington
Sinclair, J. W. . . . . Regina, Sask.
Sisley, E. B. . . . . Toronto
Small, W. R. . . . . Sandwich
Smith, Miss F. M., Glanford Station
Smith, J. A. . . . . Nashville
Smith, W. E. . . . . Hamilton
Snitman, M. . . . . Toronto
Soskin, S. . . . . Toronto
Sparling, G. P. M. . . . . Washington, D.C.
Stahl, H. F. . . . . Kitchener
Stahl, O. J. . . . . Kitchener
Stevens, E. . . . . Chesley
Struthers, J. N. P. . . . . Galt

Stuart, K. . . . . Simcoe
Sullivan, J. T. A. . . . . Toronto
Swart, H. A. . . . . Simcoe
Sweet, T. A. . . . . Hamilton

Taube, E. L. . . . . Toronto
Taube, N. . . . . Toronto
Teney, H. F. . . . . Toronto
Thaler, A. F. . . . . Elmwood
Thomas, Miss M. I. . . . . Toronto

Uren, J. L. . . . . Toronto

Verity, G. E. . . . . Brantford
Verner, T. B. . . . . St. Catharines
Vivian, R. P. . . . . Barrie

Waddington, H. . . . . Brantford
Wagner, R. A. . . . . Hamilton
Walden, W. D. . . . . Thedford
Watson, J. L. . . . . Toronto
Watt, G. L. . . . . Brantford
Webb, A. J. M. . . . . Hamilton
Welsh, W. K. . . . . Scotland
White, A. W. M. . . . . Chatham
Whittier, Miss C. L. . . . Elmsdale, N.S.
Wigle, Miss R. M., Sackville, N.B.
Wilcox, L. F. . . . . Beeton
Wilson, A. . . . . Oakville
Wilson, A. K. . . . . Regina, Sask.
Wilson, J. A. . . . . Thorold
Wylie, J. H . . . . . Almonte

**Second Year, Six Years' Course.**

Abell, R. S. . . . . Owen Sound
Ainslie, Miss M. E. . . . . St. Marys
Alexander, H. J. . . . . Norwich
Allin, R. F. . . . . Toronto
Amyot, G. F. . . . . Ottawa
Armstrong, J. C. . . . . Ottawa

Barclay, L. T. . . . . Claremont
Bicknell, H. E. . . . . Toronto
Biehn, S. L. . . . . Parry Sound
Birch, J. R. . . . . Calgary, Alta.
Booth, C. S. . . . . Mallorytown
Boyd, J. . . . . Hamilton
Brillinger, F. . . . . Stouffville
Brummitt, R. B., Vancouver, B.C.
Burgess, J. H. . . . . Ottawa

Cameron, J. M. . . . . Toronto
Campbell, Miss G. A., Blytheswood
Campbell, G. D. G. . . . . Toronto
Carscadden, W. G. . . . . Lindsay
Catherwood, W. L. . . . . Hagersville
Childs, H. H. . . . . London
Chu, P. Y. Y. . . . . Vancouver, B.C.
Clark, D. V. . . . . Toronto
Couch, J. H. . . . . Quebec, P.Q.
Coutts, G. S. . . . . Bradford
Cowie, G. A. . . . . Brantford
Croll, L. D. . . . . Saskatoon, Sask.
Cumming, G. S. . . . . Turnerville

de Souza, M. G. . . . New Amsterdam, Berbice, B.G.
Deyell, J. S. . . . . Peterborough
Dickson, B. R. . . . . Thamesville
Dill, J. L. . . . . Dublin
Doran, Miss M. V. . . . . Iroquois
Duncan, A. H. . . . . Toronto
Duncan, Miss J. R. . . . . Chatham

Ely, C. W. . . . . Beamsville

Fair, G. L. . . . . Toronto
Falconer, J G. . . . . Toronto
Fielden, E. C. . . . . Toronto
Fleck, Miss M. . . . . Toronto
Fletcher, W. R. . . . . Toronto
Forrest, S. J. . . . . Summerville, N.J.
Forster, Miss M. B. . . . . Watford
Fraser, Miss F. H. . . . . York Mills
Fried, J. S. . . . . Toronto

Gerow, H. G. . . . . Colborne
Graham, W. L. . . . . Galt
Gray, H. M. . . . . Toronto
Green, J. . . . . Toronto
Greer, H. J., Port Coquitlam, B.C.
Gung, E. B. . . . . Victoria, B.C.

Hacking, L. C., New Westminster, B.C.
Hamilton, F. C. . . . . Toronto
Hare, M. A. . . . . Rosetown, Sask.
Heaton, T. G. . . . . Toronto
Heggie, D. C. . . . . Brampton
Henderson, D. N. . . . . Toronto
Henne, F. R. . . . . Gananoque
Hill, W. V. . . . . Toronto
Hodd, D. G. . . . . Hamilton
Horton, C. B. . . . . Toronto
Hume, T. W. K. . . . . Toronto

Jackson, J. E. . . . . Auburn
Johnston, W. C. . . . . Kippen

Kelly, A. D. . . . . Toronto
Knowlton, C. E. . . . . Toronto

Lambert, A. G. . . . . Rosseau
Landsborough, A. M., Port Credit
Lang, A. . . . . Kitchener
Lantsevitsky, N. . . Brest-Litovsk, Russia
Lathrope, C. D. . . . . Bowmanville
Laxton, J. E. . . . . Toronto

Mark, E. C. . . . . Hong Kong, China
May, C. R. . . . . Melfort, Sask.
Middlebro, J. P. . . . . Owen Sound
Millar, B. O. . . . . Smith's Falls
Millar, J. W. . . . . Castleton
Miller, W. H. . . . . Toronto
Milliken, J. . . . . Renfrew
Mills, Miss G. . . . . Toronto
Milne, R. E. A. . . . . Niagara Falls
Mitchell, C. L. . . . . Victoria, B.C.
Mitchell, H. D. . . . . Victoria, B.C.
Monaghan, H. J. . . . New Hamburg
Muir, W. S. . . . . Niagara Falls
Murchison, E. B. . . . . Cambray
Murray, L. L., Guy's Hill, Jamaica, B.W.I.

McCarthy, K. C. . . . . Toronto
McCormick, N. A. . . . . Walkerville
McFadden, J. L. . . . . Victoria, B.C.
MacGowan, G. A. . . . . Toronto
McGregor, G. W. . . . . Inglewood
McGuire, C. T. . . . . Merriton
McIntosh, J. S. . . . . St. Catharines
Mackay, R. P. . . . . Toronto
MacLean, D. L. . . . . Harriston
McLean, G. C. . . . . Collingwood

Naden, J. R. . . . . Victoria, B.C.
Nicholson, Miss M. A., . . Lucknow

O'Gorman, J. T. . . . . Toronto
Omerod, M. J. . . . . Toronto

Park, J. H. . . . . Mitchell
Paterson, J. C. . . . . Sarnia
Patry, F. L. . . . . Toronto
Pember, F. R. . . . . Toronto
Perry, Miss F. E. . . . Victoria, B.C.
Potter, H. F. . . . . Clinton
Plewes, D. F. . . . . Toronto
Reid, Miss M. E. . . . . London
Roach, C. J. . . . . Vancouver, B.C.
Robinson, L. E. . . . . Aurora
Rudd, M. S. K. . . . . Parry Sound
Rumball, W. C. . . . . St. Catharines
Russell, W. H. . . . . Toronto

Schwab, J. . . . . Toronto
Scott, R. F. . . . . Toronto
Scott, W. C. M. . . . . Omemee
Seltzer, I. E. . . . . Toronto
Senn, J. N. . . . . Caledonia
Sher, Miss L. . . . . Toronto
Singer, Miss M. . . . . Toronto
Smith, A. G. . . . . Toronto
Soanes, E. P. . . . . Aurora
Steele, T. M. . . . . Stratford
Stillman, I. . . . . Toronto
Strain, F. A. . . . . Gore Bay
Strangway, W. E. . . . . Petrolia
Strebig, D. L. M. . . . . Toronto
Stringer, F. H. . . . . Dawson, Y.T.
Sutherland, L. J. . . Holland Centre
Syer, G. E. . . . . Fraserville

Taylor, A. C. . Indore, Central India
Teasdale, H. R. . . . . Massey
Trick, H. W. . . . . Oshawa

Vine, G. D. . . . . Atwood
Vokes, H. A. S. . . . . Toronto

Wade, C. W. . . . . Vancouver, B.C.
Walker, J. E., New Westminster, B.C.
Wallis, Miss G. E. . . . . Clinton
Westman, E. R. . . . . Toronto
White, C. O. . . . . Toronto
Wiley, W. R. . . . . Toronto
Wilkins, W. R. . . . . Toronto
Williamson, F. M. . . . . Priceville
Wilson, C. H. . . . . St. George
Wilson, Miss M. E. . . . . Toronto
Wolfson, H. . . . . Collingwood
Wyndham, C. . . . . Oakville

**Second Year, Five Years' Course.**

Adams, J. H. F. . . . . Toronto
Aitchison, D. B. . . . . Hamilton
Anderson, O. W. . . . . Sundridge
Armstrong, B. C. . . . . Calgary
Atkinson, W. L. . . . . Guelph

Baker, F. E. . . . . Belleville
Baker, Miss F. M. . . . . Toronto
Ball, W. M. . . . . Sault Ste. Marie
Barlow, H. S. . . . . Toronto
Barr, Miss C. A. . . . . Merlin
Beasley, J. H. . . . . Toronto
Beatty, S. R. . . . . Thomasburg
Bell, A. M. . . . . Priceville
Best, C. H., West Pembroke, Maine

Best, C. J.....Peterborough
Bigelow, L. H.....Bethany
Black, G. N.....Springfield
Borsook, H.....Toronto
Boyce, R. W.....Belleville
Briant, T. E.....Toronto
Brown, M. H.....Trenton
Buchanan, W. P.....Galt
Bull, F. L.....Weston
Byrne, U. P....New Westminster, B.C.
Caldwell, W. S.....Ottawa
Campbell, G. E.....Hamilton
Campbell, S. M.....Toronto
Caple, H. H..... Vancouver, B.C.
Carmichael, Miss A. I. Peterborough
Chant, Miss E. H.....Toronto
Charlton, W. H. M.....Weston
Chisholm, G. B.....Oakville
Clifford, C. H.....Toronto
Code, D. B.....Ottawa
Cousland, P. A. C.....Edinburgh, Scotland
Coyne, D. R.....Leamington
Cray, J. F.....Guelph
Currie, G. C.....Little Current
Currie, M. A.....Little Current

Dales, C. W.....Drayton
Dalrymple, Miss L. A. . .Waskada, Man.
Davison, R. R.....Dundas
Day, A.....Orillia
d'Easum, L. G. C., New Westminster, B.C.
Delamere, H. D.....Toronto
Devins, W. P.....Barrie
Dinniwell, O. C.....Wiarton
Duncombe, K. L.....Waterford
Dunlop, R. W.....Kintore

Elliott, G. A.....Nelson, B.C.
English, S. S.....Hamilton
Everist, W. C.....Toronto

Faulkner, Miss I. G.....Duntroon
Fawcett, J. T.....Mitchell
Fenton, W. K.....Toronto
Ferguson, T. G.....Toronto
Fetterly, Miss M. E....Winchester
Finlay, H. H.....Yorkton, Sask.
Fleming, D. R.....New Liskeard
Fletcher, G. M.....Toronto
Foster, F. H.....Toronto
Fraser, J. L.....Petrolia

Gauld, R. L.....Mimico
Gilchrist, R. A...New Westminster, B.C.
Glenney, W. R.....Little Britain
Gossage, C. D.....Toronto
Gray, F. E.....Listowel
Gray, T. W. A.....Millbrook
Gray, W. G.....Courtright
Griffin, B. M.....Coldwater
Grove, J. H.....Toronto
Gunn, Miss I. G.....Clinton

Hall, J. L.....Phelpston
Hames, C. F. W.....Oakville
Hamilton, K. A..Moose Jaw, Sask.
Hardy, A. W.....Oakwood
Hawkins, W. D.....Toronto
Heaslip, P. T.....Dunnville
Heath, T. R.....Orton
Henderson, W. W. . .Regina, Sask.
Henry, A. T.....Toronto
Henry, G. G.....Markdale
Herold, R. E.....Shakespeare
Hershey, J. H.....Owen Sound
Hilliar, H. K.....Burk's Falls
Hodgins, B. A.....London
Howse, G. O.....Aylmer
Hunter, Miss D. L....Kuangning, Manchuria
Hurlburt, W. E.....Toronto

Janes, E. C.....Watford
Jaquith, L. E.....Toronto
Jennings, H. N.....Hagersville
Johnstone, B. I.....Tara
Junkin, C. I.....Toronto

Keener, W. C.....Kitchener
Keith, H. M.....Toronto
Kelly, A. B.....Toronto
Kenyon, B. B.....Blair
Kerr, H. T.....Toronto
Kinkead, J. C.....Britton
Kinsman, R. H.....Hamilton

Laing, J. W.....Wyevale
Lang, H. B.....Toronto
Latimer, R. H.....Beaverton
Liddy, F. J.....Toronto
Lefurgey, J. A...North Bedeque, P.E.I.
Lockhart, J. L.....Midland
Lyon, L. A.....Oakville

Madoo, S. C. V....Port of Spain, Trinidad
Maltby, E. J.....Toronto

Meehan, Miss G. B. . . .Rochester, N.Y.
Meekison, D. M...Vancouver, B.C.
Menzies, F. H.....Burks Falls
Michell, G. E.....Toronto
Miller, J. B.....Toronto
Mitchell, H. C.....Toronto
Montgomery, R. C.....Toronto
Mount, H. T. R.....Toronto
Munro, F. W.....Toronto
Murphy, W. M.....Owen Sound
Mustard, J. M.....Uxbridge

McAlister, H. R.....Hamilton
McAllan, N. R.....Woodstock
McAteer, J.....Toronto
McBain, R. W.....Hamiota, Man.
McCartney, T. G.....Bethany
McClinton, J.....Goderich
McCosh, R. A.....Kincardine
MacDonald, N.....Atherley
MacDonald, P. G.....Orillia
McDonald, T. A...Deloraine, Man.
Macdonell, R. V...Dalhousie Mills, P.Q.
McGarvey, M. R.....Petrolia
McGill, W. L.....Toronto
MacKay, A. F.....Truro, N.S.
McKay, D. R.....Stayner
McKinnon, A. L.....Orton
MacLachlan, Miss S. R...Toronto
McLaughlin, P. B.....Toronto
McLellan, T. G.....Toronto
McLeod, A. M.....Kincardine
MacPherson, Miss G.....Dutton

Neelin, W. E. E...Richmond West
Neilson, J. R.....Stratford
Nichols, T. R.....Stratford
Noble, E. C.....Toronto
Noble, J. H.....London, England

O'Donnell, B. A. P.....Toronto
Ogden, C. E.....Toronto
Orr, Miss J. S.....Toronto
Owens, Miss M.....Grenville, P.Q.

Paton, W. M.....Toronto
Phillips, M.....Dundalk
Pinchin, A. H.....Toronto
Pratt, C. H.....Chesley
Price, H. W.....Toronto
Proud, R. H.....Tara
Purdy, A. D. T.....Toronto

Richards, C. A.....Millbrook
Ridge, W. W.....Hamilton
Riley, R. C.....Welland
Robert, J. T.....Chatham
Robinson, J. T. H.....Belgrave
Ross, J. C.....Zealandia, Sask.
Rowley, A. E.....Toronto
Rynard, W. M. W.....Zephyr

Sands, G. E.....Corunna
Scarlett, E. P., Portage la Prairie, Man.
Scott, D. E.....Belleville
Sexsmith, E. L.....Oakville
Sharpe, W. C.....Toronto
Shaw, E. S.....Guelph
Sherman, S.....Toronto
Simpson, Miss R. R. M...Toronto
Sinnott, J. A.....Hamilton
Sloan, S. G.....Chatham
Smith, H. M.....Chatham
Smith, R. G.....Hickson
Spaulding, H. E.....Aurora
Spratt, E. H.....Ottawa
Standen, C. W.....Penticton, B.C.
Stewart, D. W.....Toronto
Stokes, L. S.....Mount Albert
Stott, S. J.....Toronto
Sykes, A. V.....Calgary, Alta.

Taylor, W. H.....Guelph
Thompson, C. E.....Stony Creek
Thompson, R. A.....Zephyr
Thompson, T. W.....Port Credit
Truax, A. J.....Toronto
Tyrrell, J. D.....Hamilton

Urquhart, A. M.....Oakville
Urquhart, C. H.....Toronto
Urquhart, D.....Toronto

Vanderburgh, A. W., West Summerland, B.C.

Waddell, R. R.....Hamilton
Wansborough, R. M..Grand Valley
Warner, O. M.....Toronto
Weaver, R. T., Red Pheasant, Sask.
Welsh, H. E.....Moira
Westcott, D. B.....Collingwood
White, C. C.....Chatham
White, M. F.....Lindsay
White, Miss K. M.....Rothesay Park, Moose Jaw, Sask.
Wilcox, F. A.....Toronto
Wildfang, E. J.....Elmwood
Wilkins, A. R.....Toronto

Williams, J. E.....Toronto
Williams, W. O.....Cardinal
Williamson, G. S.....Beaverton
Wylie, W. A.....Markham
Young, Miss A. M.....Toronto

**Third Year.**

Adams, Miss D.....Toronto
Anderson, E. S.....Toronto
Anderson, W. K.....Chatham
Arbuckle, D. S.....Toronto

Baker, Miss G.....Chatham
Baker, S. E.....Toronto
Ballantyne, P. M.....Toronto
Barnes, L. S.....Toronto
Barton, E. R.....Toronto
Batson, H. H.....Brantford
Beaton, C.....Owen Sound
Beattie, O. M.....Batteau
Bell, J. K.....Kamloops, B.C.
Belyea, C. C.....Kenora
Bennett, A. E.....Grand Valley
Binning, G.G.T., Moose Jaw, Sask.
Bishop, C. A.....Toronto
Blott, R. D.....Dunnville
Bochner, M.....Toronto
Bochner, T. N.....Toronto
Borland, T. H.....Innerkip
Boulding, C. R.....Putnam
Boulter, L. W.....Picton
Boyden, R. W.....Ottawa
Brady, F. A.....Toronto
Brewster, W. R.....Brantford
Brodie, Miss M. H.....Stouffville
Bronstein, Miss R.....Toronto
Brown, G. W.....Lyn
Buckley, H. R.....Niagara Falls
Burridge, Miss M. F., Victoria, B.C.

Cameron, H. G....Saskatoon, Sask.
Campbell, D. M.....Strathroy
Carrie, D. S.....St. Thomas
Carruthers, Miss H. R.....Toronto
Carson, J. E.....Desboro
Carson, R. J.....Orillia
Carter, J. J.....Clifford
Caven, W. R.....Toronto
Challener, R. E. S.....Toronto
Cheney, Miss M. J.....Ottawa
Clysdale, E. S. .....Mooretown
Cohen, J. L.....Toronto
Cohen, W. A.....Toronto
Cole, M. S.....Brantford
Colvin, L. T.....Picton
Comisky, Miss E. H., Richmond Hill
Cook, Miss S. M. L.....Toronto
Copeman, E. S.....Paris
Copp, E. F. F.....Clinton
Couch, A. J.....Toronto
Crowe, L. L....Bridgetown, N.S.

Denison, L.....Toronto
Devitt, F. B.....Toronto
Dimitroff, T.....Toronto
Douglas, H. S.....Springfield
Drummond, H. A.....Toronto
Dunning, G. W.....Cumberland
Dunton, A. S.....Paris
Dusseau, C.....Toronto
Dyer, H. F.....Allandale

Evans, G. F.....St. Mary's
Ewing, C. H.....Fergus

Fallon, J. T.....North Bay
Farley, J. W.....Trenton
Fatum, O.....Gowanstown
Fisher, M. M.....Kippen
Fisher, R. S. M.....Georgetown
Fitzgerald, G. J.....Vasey
Ford, J. R.....Dutton
Fortune, C. W.....Walkerton
Foster, G. V.....Toronto
Fowler, M. N.....Hamilton
Frank, F. W.....Toronto

Gamble, J. E. D.....Brantford
Gauld, Miss F. M.....Toronto
Gay, Mrs. St. C. R. New York, N.Y.
Gebirtig, T.....Toronto
Gemmel, J. G.....Ayr
Gilbertson, R. L.....Simcoe
Glass, S. J.....Toronto
Gleeson, H. J.....Napanee
Golberg, L.....Toronto
Golden, I. M.....Toronto
Gordon, G.....Toronto
Graham, J. D.....Toronto
Graham, R. W.....Toronto
Graham, W.L.....Lobo
Gratz, C. M....Sunnyslope, Alta.
Greenberg, D. Y.....Windsor
Greenberg, J. H.....Toronto
Grierson, N. B.....Hanover
Grieve, J. G.....Millbank
Griffin, F. R.....St. Thomas

Hall, G. C. R.....Little Britain
Hall, S.....Pyong Yang, Korea
Hanley, E. G.....Midland
Hardie, G. C.....Victoria, B.C.
Harkins, E. B.....Toronto
Harold, R. L.....Caron, Sask.
Harris, C. S.....Toronto
Hayes, J. J.....Phelpston
Hazen, G. M. T..Saskatoon, Sask.
Henderson, W. S.....Sarnia
Henry, L. L.....Niagara Falls
Hipwell, R. E.....Alliston
Hunt, V. G.....Galgary, Alta.
Hynes, B. J.....St. Catharines

Ireland, G. I.....Trenton

Jessel, L.....Toronto
Johnston, J. A.....Kars
Johnston, J. L.....Inwood
Johnston, W. V.....Auburn
Jones, E. M.....Hamilton
Judson, F. M.....Lyn

Kenny, W. G.....Hamilton
Kernick, M.....Toronto
Kilgour, D. G.....Guelph
Knight, E. W.....Toronto
Kohan, M.....Toronto

Large, R. G....Port Simpson, B.C.
Lavine, I.....Toronto
Levin, S. J.....Windsor
Levinson. R. M.....Kenora
Lewis, F. I.....Orangeville
Long, E. C.....Listowel
Luke, W. R. F.....Toronto
Lyon, E. K.....Blyth

Maginley, H. D.
Lyons, Antigua, B.W.I.
Mahaffy, A. F.....Cromarty
Maitland, C. W.....Toronto
Manning, R. F.....Forest
Markowitz, J.....Toronto
Miller, H. R.....Selkirk
Miner, H. B.....Humberstone
Moffat, G. F.....Weston
Montogmery, A. E.....Tiverton
Monypenny, Miss A. D....Toronto
Moore, W. N.....Uxbridge
Morgan, A. E.....Toronto
Morton, W. R.....Proton
Mowat, H. F.....Acton
Murray, L. M.....Toronto
McCallum, A. P.....Dutton
McCluskey, E. R.....Alliston
McCormick, Miss H. H....Toronto
McCormick, W. K.... Amherstberg
McEachern, J. M. Winnipeg, Man.
McInnis, T. J.....Regina, Sask.
Mackay, D. A.....Ingersoll, Ont.
McKee, W. A.....Millbank
McKenzie, R. D..... Hanley, Sask.
McMaster, E. A.....Utopia
McMurray, W. J....Niagara Falls

Neelands, R. J.....Forest
Nichol, K. D.....Brantford

O'Connor, M. J.....Toronto
Oke, Miss I. R.....St. Catharines
O'Neill, C. N.....Clandeboye
Crechkin, L.....Windsor

Page, N. A.....Brockville
Papish, A.....Toronto
Parnell, H. M.....St. Catharines
Parry, G. O.....Toronto
Patterson, J. A.....Walkers
Pauley, G. E.....Gananoque
Perkin, F. S. .....Toronto
Philp, D. P.....Toronto
Philp, W. G.....Toronto
Polack, S. S.....Toronto
Price, C. K.....Toronto
Pritchard, J. R., North Wakefield, P.Q.

Radcliffe, E. J.....Toronto
Rahner, H. R....Rochester, N.Y.
Ranta, O. O.....Toronto
Rhodes, Miss G..Bergerville, P.Q.
Richer, Miss F....Lachute, P.Q.
Riddell, J. R.....Newton
Robertson, Miss E. M.....Toronto
Robinson, A. J.....Toronto
Ross, A. C.....Kirkfield
Ross, J.....Toronto
Ross, J. W.....Stratford
Ross, S. G.....Toronto
Rowen, E. H.....Guelph
Ruskin, S. H.....Windsor

Sackin, I. J.....Toronto
St. John, H. F.....Uxbridge
Scott, J. F.....Barrie
Serles, H. R.....Niagara Falls
Shaver, E. O.....Toronto
Shaw, A. E.....Bluevale
Shields, W. L.....Coboconk
Silverman, N.....Kenora
Singleton, A. C.....Toronto
Slaughter, C. B. P.....Toronto

Smart, J. B.....Brockville
Smylie, C. H.....New Liskeard
Snell, G. C.....Toronto
Snell, J. W.....Dutton
Snider, D. I.....Windsor
Spence, C. A.....Toronto
Spence, J. E.....Orangeville
Spratt, L. M.....Caledonia
Stone, A. L.....Hawkestone
Stone, W.....Toronto
Streets, C. W.....Bridgeburg
Suffel, S. C.....Smith's Falls
Summerfeldt, Miss P. F...Toronto
Swan, D. C. S.....Toronto
Switzer, W. A. W.....Science Hill
Symington, J. B.....Camlachie

Taylor, O. L.....Bolton
Temes, J. H.....Toronto
Temes, S.....Toronto
Teskey, L.....Toronto
Thomas, C. H.....Forest
Torrance. A. M.....Listowel
Trimble, F. R.....Cottam
Tufford, N. G.....St. Thomas

Urquhart, J. L.....Uxbridge

Veale, W. T.....Bowanville
Volinsky, I. R.....Toronto

Walker, R. J.....Smith's Falls
Walters, W. R.....Toronto
Walton, G. R.....Toronto
Watson, G. H.....Port Credit
Wellwood, G. R.....Richmond Hill
Wilson, W. H.....Toronto
Wilson, W. S.....Toronto
Wolseley, R. G.....Campbellville
Woodrow, W. H.....Coldwater
Woolfson, J.....Toronto
Wright, F. W.....Tottenham

Young, Miss P. V....Peterborough

**Fourth Year.**

Allan, F. N.....Wroxeter
Anderson, J. O.....Toronto
Andrew, O.....Oakville
Appel, S.....Toronto
Armstrong, G. W.....Uxbridge

Balfe, T. H.....Hamilton
Bates, J. E.....Toronto
Bell, E. C.....Stayner
Bell, J. W.....Harrow
Benson, J. G.....Wellington
Bicknell, E. A.....Toronto
Bird, E. S.....Ganaoque,
Bird, H. G.....Gananoque
Boley, J. P.....Huntsville
Bowyer, Miss M. E.....Toronto
Boyes, T. L.....Hamilton
Bradley, B. V.....Toronto
Bryan, C. G.....Toronto
Bull, R. C.....Weston
Burrows, Miss D. J.....Harriston
Byers, J. W. R.....Bailieboro

Carrow, G. W.....Toronto
Carruthers, W. L.....Elmvale
Carson, R. A.....Barrie
Case, G. E.....Dungannon
Cavanagh, J. L.....Owen Sound
Chase, Miss L. A...Greenwich, N.S.
Chester, J. F. V.....Toronto
Chung, Miss V.....Victoria, B.C.
Claridge, V. O.....Grand Valley
Cleghorn, I. M.....Baldur, Man.
Clendenan, D. G.....Toronto
Cosgrove, K. W.....Asheville, N.C.
Crowley, L. J.....Gadshill
Cruickshank, F.....Weston
Cumming, J. F.....Turnerville

Danard, B. P.....Owen Sound
Dickson, J. A.....Niagara Falls

Eisen, D.....Toronto
Ellis, E. G.....Sarnia

Farquharson, R. F.....Agincourt
Ferrier, C. W. G.....Mimico
Fine, H. P.....Toronto
Fleming, E. G.....Cobourg
Forrest, J. A.....Toronto
Francis, A.....Vancouver, B.C.
Garratt, Miss G. C.....Toronto
Gauld, W. H.....Tamsui, Formosa
Gill, D. G.....Victoria Harbour
Gordon, H...Riversdale, S. Africa
Gordon, R. I.....Stratford
Graham, A. H...Denver, Colorado
Grainer, M.....Toronto
Gray, W. H.....Toronto
Green, N. H.....Agincourt
Grigg, V. S.....Bruce Mines

Hale, A. S.....Stratford
Hamill, F. C.....Meaford
Hamlin, L. E.....Kincardine
Harcourt, J. A. A.....Cayuga

Hare, R. B.....Rosetown, Sask.
Harris, G. W.....Rodney
Hart, H.....Omemee
Harvey, M. C.....Arthur
Harvey, W. H.....Princeton
Haskett, F. H.....Watford
Heard, K. M.....St. Thomas
Helston, G. E.....Toronto
Hendry, J. R.....Toronto
Henry, C. R.....Drayton
Hetherington, H. W.
St. Catharines
Hewgill, J. C.....Toronto
Hopkins, J. E.....Stony Creek
Hubbard, J. P.....Forest
Hutchison, J. H.....Kinley, Sask.
Hutton, F. T.....St. Mary's

Ireland, F. A.....St. Catherines
Ives, R. E.....Colborne

Jackson, J. L.....Edmonton, Alta.
Jennings, G. H.....Brantford
Jewell, R. M.....Toronto
Johnston, J. H.....Kenora
Junkin, F. L.....Toronto

Kilgour, A. J.....Cornwall
Kiteley, P.....Glen Allan
Kreiner, J. H.....Kitchener

Laing, W. C.....Brantford
Lancaster, W. E. G.....Kingsville
Lang, R. S.....Orono
Lee, W. W.....Toronto
Lehrman, D.....Toronto
Linklater, E. W.....Wingham
Logan, H. D.....Niagara Falls
Lowrie, R. J.....Toronto

Mackersie, W. G.....Atherley
Markowitz, C. A.....Toronto
Martin, C. A.....Milton West
Martin, G. G.....Campbellford
Merifield, R. C.
Swift Current, Sask.
Merritt, E. G.....Chatham
Minns, J. E.....Tweed
Montgomery, S. R. P.....Toronto
Morris, R. H.....Middleton, N.S.
Mounce, A. R. E.....Oshawa
Myers, F. C.....St. Mary's

McClelland, J. C.....Brampton
McClure, R. B.
Tsinan, Chantung, China
McClure, W. B.....Brampton
McCormack, O. L.....Toronto
Macdonald, Miss F. Pinette, P.E.I.
McDonald, J. J. A.....Orillia
McDonald, R. H.....Lakeside
MacDonald, W. G.....Toronto
MacFarlane, J. A.....Nokomis, Sask.
McFaul, A. M.....Collingwood
McGarry, J. R.....Niagara Falls
McGarvah, A. W.....Windsor
McLatchie, Miss L. D.
Calgary, Alta.
McLean, A. L.....Toronto
McLellan, C.....Mount Forest

Nesbitt, Miss E.....Hartshorn, Alta.
Nickle, F. J.....Malone
Nodwell, G. R.....Grand Valley

Ogilvie, J. M.....Toronto
O'Leary, F. J.....Orillia

Palmer, W. S.....Toronto
Pamphilon, W. M.....Toronto
Patterson, F. R. C.....Perth
Perfect, F. R.....Toronto
Phillips, H. S.....Smith's Falls
Pollack, J.....Toronto
Pratt, R. S.....Laurel
Prendergast, D. J.....Toronto

Riddell, W. R.....Beaverton
Robinson, P. J.....Toronto
Running, D. H.....Agincourt
Russell, Miss M. P.....Toronto

Sansone, A. J.....Hamilton
Sarvis, E. S.....Bindloss, Alta.
Scott, H. R.....Maxville
Shaul, N.....Toronto
Shaul, S.....Toronto
Shaw, Miss V. A.....Windsor
Shier, L. V.....Toronto
Shoniker, H. J.....Toronto
Sievenpiper, S. H.....Toronto
Simpson, R. N.....Thornhill
Sinclair, K. Y.....Toronto
Skinner, H. A. L.....Guelph
Skipper, S. C.....Kingsville
Smith, C. G.....Sydney, N.S.
Speck, J. T.....Toronto
Speers, Miss F. E.....Toronto
Stanley, A. M.....Lucan.
Stephens, R. W.....Wiarton
Stoddart, W. O.....Woodville
Sullivan, O. P.....Orillia

Taylor, R. E.....Woodstock
Templin, Miss M. I.....Fergus

Thomas, M. E.....Toronto
Thompson, A. A..Penetanguishene
Tom, Miss M. I.....Goderich
Trapp, Miss D. M.
New Westminster, B.C.
Truscott, R. S.....Hamilton
Tucker, W. L.....St. Thomas

Underhill, F. W.....Aurora

Watson, M. C.....Bolton
Weir, N. A.....Toronto
Wells, J. G.....Rutland, Sask.
Wellwood, M. B...Richmond Hill
Wigle, D. St. J.....Windsor
Williams, C. V.....Toronto
Wilson, W.....Toronto
Wrong, H. A.....Aylmer

**Fifth Year.**

Anderson, A. L....Saskatoon, Sask.
Armstrong, A. G.....Warkworth

Atwell, W. C.....Toronto
Ayer, Mrs. I. T.... Okotoks, Alta.

Bartley, Miss K. M.....Toronto
Bastow, D. C.....Toronto
Bird, G. L.....Brighton
Birrell, R. G.....Pinkerton
Blatz, W. E.....Hamilton
Blye, R. A.....Trenton

Brady, H. A.....Toronto
Bromley, A. J.....Toronto
Brown, Miss C. A.....Toronto
Bulmer, F. M. R.....Toronto
Bulmer, H. R.....Toronto

Campbell, F. C.....Hepworth
Carlisle, A. M.....Peterborough
Chambers, G. L.....Toronto
Charteris, W. F.....Chatham
Clark, H. G.....Toronto
Crehan, W. H.....Calgary, Alta.
Cryderman, W. J....Niagara Falls

Dales, M. G.....Drayton
Danby, S. L. E.....Ottawa
Danis, J. T.....Ottawa
Dawson, L. E.....Toronto
Dollar, G. L.....Toronto
Dow, W. W.....Toronto
Doyle, R. H.....Toronto
Duncan, W. S.....Port Credit

Eadie, G. S.....Toronto
Edmonds, W. B.....Toronto
Edwards, J. C. R.....Cannington
Ellis, E. W.....Torono
Ewart, E. W.....Bolton

Feader, F. N. Toronto
Ferguson, J. S.....Chatham
Folinsbee, Miss M. E.....Toronto
Fraser, G. M.....Toronto

Gallaugher, L. C.....Lisle
Gillrie, R. B.....Drayton
Glasgow, G. K.....Tupperville
Glassberg-Volpe, A.....Toronto
Gordon, A. C.....Toronto
Grady, Miss L. R.....Peterborough
Graham, J. A.....Toronto
Green, C. O. P.....Port Hope

Hain, G. R.....Toronto
Harris, C. W.....Toronto
Harrison, Miss E. D.....Toronto
Hepburn, J.....Vancouver, B.C.
Hill, C. E.....Richmond Hill
Hobson, W. J.....Milford
Hopkins, H. E.....Toronto

Johnston, H. W.....Drayton

Kilborn, L. G.
Chengtu, Szechwan, China

Latchford, J. K.....Toronto
Laughlin, E. R.....Belleville
Lehman, E. J.....North Bay
Lee, P. A.....Kingsville
Linton, J. A.....Belle River

Malcolmson, A. S..St. Catharines
Mallin, D.....Toronto
Martin, A. D.....St. Mary's
Martin, R. C.....Newburgh
Mayne, C. H.....Drayton
Middleton, R. H.....Caledonia
Mills, O. G.....Tottenham
Mitchell, N. H.....Hamilton
Moffat, W. W.....Teeswater
Moon, H. R.....Sydenham

Montgomery, R. C.....Harriston
Mooney, Miss A. M.
Grand Coulee, Sask.
Morris, N. D.....Orillia
Murray, D. W. G.....St. Paul's
Murray, J. K. P.....Toronto

McCart, H. W. D.....Toronto
McCarter, A. B....Dawson, Y.T.
McCorvie, C. R.....Chatham
McDonald, J. G. L.
Little Current
Macdonald, J. H. A.....London
McGarry, J. M.....Niagara Falls
McHugh, M. J.....Orillia
McKenzie, W. L.....Toronto
McKinnon, N. E.....Toronto
McLeod, J. H.
Kingstown, St. Vincent, B. W. I.
Macnamara, H. O.....Toronto
McPherson, R. J.....Galt
MacQueen, M. D.....Comber

McQuitty, M.....Douglas

Newhouse, J. A.....Snelgrove
Noonan, W. T.....Mount Forest

O'Brien, J. M.....Erinsville

Pedley, W. H.....Woodstock
Pennock, G. M.....Ottawa
Phillips, T. G. W.....Toronto
Price, Miss R.....Libau, Russia

Ratz, R. G.....Toronto
Richardson, R. N. C.....Toronto
Ruskin, I. W.....Windsor

Sauder, P.....Richmond Hill
Seymour, R. A.....Vancouver, B.C
Sheppard, R. J.....Queenston
Shunk, E. S. M.....Toronto
Slocombe, G. W.....Port Dover
Smylie, R. T.....New Liskeard
Sneath, P. A. T.....Toronto

Stover, I.....Chatham
Sutherland, J. L....St. Catharines
Swan, W. D.....Brucefield
Switzer, J. W.....St. Mary's

Thompson, I. B.....Harrow
Thomson, Miss A. E.
Yonkers, N.Y.
Tice, J. W.....Oshawa
Tipping, C. E.....Toronto
Trackman, J. A.....Toronto
Turnbull, A.....Canfield

Van Wart, A. F...Fredericton, N.B.

Walden, A. P.....Guelph
Walters, A. G.....Niagara Falls
Walwyn, W. M.....Meaford
Watson, C. H.....Bolton
Watson, G. F.....Elmira
Weissgerber, L. A.
Nielson, Montana, U.S.
Wilkinson, F. W.....Toronto
Williams, Miss M. M.....Beeton
Williamson, Miss A. B.....Toronto
Wilson, F. H.....Stouffville
Wladowsky, Miss M.....Toronto
Woodhouse, W. W...Niagara Falls

Zwick, F. F.....Stirling

## POST GRADUATE STUDENTS.

Archibald, M. G., M.D., C.M. ..... Kamloops, B.C.
Birks, W. H., M.D. ..... Chungchow, West China
Burris, H. L., M.B. ..... Kamloops, B.C.
Hogg, A., M.D., C.M. ..... Chefoo, China
Rogers, K. F., M.D. ..... Toronto
Simpson, E. K., M.D. ..... Junghsien, West China
Speers, Ada B., M.B. ..... Chengtu, West China

## DIPLOMA OF PUBLIC HEALTH STUDENTS.

Berry, E. G., M.B. ..... Toronto
Cruickshank, H. L., M.B. ..... Toronto
Fraser, D. T., B.A., M.B. ..... York Mills, Ont.
Graham, W. A., M.B. ..... Toronto
Hazelwood, J. F., M.B. ..... Toronto
Jackson, G. P., M.B. ..... Toronto
McClenahan, R. R., B.A., M.B. ..... Toronto
Naismith, A. G., M.B. ..... Straffordville, Ont.
Phair, J. T., M.B. ..... Toronto
Wodehouse, R. E., M.D., C.M. ..... Toronto
Woodhouse, Catharine F., B.A., M.B. ..... Toronto

## OCCASIONAL STUDENTS.

Bowie, D. J. ..... Midland, Ont.
Fielding, E. M. V. ..... Niagara Falls, Ont.
Mahoney, F. O. ..... Toronto

### Summary.

| | |
|---|---|
| First Year Students | 208 |
| Second Year, Five Year Course Students | 212 |
| Second Year, Six Year Course Students | 148 |
| Third Year Students | 233 |
| Fourth Year Students | 174 |
| Fifth Year Students | 131 |
| Post Graduate Students | 7 |
| Diploma of Public Health Students | 11 |
| Occasional Students | 3 |
| | 1,127 |

The University of Toronto issues the following official publications, any one of which may be had on application to the Registrar of the University or to the Secretary of the particular Faculty respecting which information is sought:

Curriculum for Junior Matriculation.

Calendar of the Faculty of Arts.

Calendar of the Faculty of Medicine.

Calendar of the Faculty of Applied Science and Engineering.

Calendar of the Faculty of Education.

Calendar of the Faculty of Forestry.

Calendar of the Faculty of Music.

Miscellaneous Curricula.

Calendar of the Department of Social Service.

Announcement of the Department of Public Health Nursing.

Announcement of the Board of Graduate Studies.

Bulletin of Information respecting Graduate Facilities

Announcement of the Summer Session.